



Veeam Agent for Microsoft Windows

Version 6

Configurator Reference

September, 2024

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For the most up-to-date information about company contacts and office locations, visit the [Veeam Contacts Webpage](#).

Online Support

If you have any questions about Veeam products, you can use the following resources:

- Full documentation set: veeam.com/documentation-guides-datasheets.html
- Veeam R&D Forums: forums.veeam.com

About This Document

This user guide provides information about Veeam Agent Configurator.

Intended Audience

The user guide is intended for anyone who wants to use Veeam Agent for Microsoft Windows 6.2 to protect their computer.

Overview

Veeam Agent Configurator is a tool that provides a command-line interface for Veeam Agent for Microsoft Windows. With Veeam Agent Configurator, you can perform data protection and administrative operations for Veeam Agent for Microsoft Windows from the command line, create custom scripts or integrate Veeam Agent for Microsoft Windows with third-party applications.

You can use Veeam Agent Configurator to perform the following activities:

- Install the license and set the product edition
- Customize application settings
- Change backup job configuration
- Import backup job configuration file
- Export backup job configuration file

Veeam Agent Configurator comes with Veeam Agent for Microsoft Windows. The `Veeam.Agent.Configurator.exe` file is placed in the product folder on the computer protected with Veeam Agent for Microsoft Windows, by default, `C:\Program Files\Veeam\Endpoint Backup`.

Basic Command Syntax

Veeam Agent Configurator uses commands to perform actions in Veeam Agent for Microsoft Windows. The basic command syntax for Veeam Agent Configurator is the following:

```
Veeam.Agent.Configurator.exe -Command [Parameters]
```

where:

- `Command` is the command name.
- `Parameters` are input parameters that are passed to the command.

Input and Output XML Files

To export and import data from/to Veeam Agent for Microsoft Windows, Veeam Agent Configurator uses XML files. Veeam Agent Configurator operates with two types of files:

- Output XML files contain the current application settings backup job configuration and statistics information exported from Veeam Agent for Microsoft Windows.
- Input XML files contain application settings and backup job configuration that must be set up in Veeam Agent for Microsoft Windows.

The default location for output and input XML files is the `C:\ProgramData\Veeam\Endpoint\!Configuration\` folder on the machine where Veeam Agent for Microsoft Windows is installed. You can also choose a different location to store output and input XML files. To learn more, see [Export](#) and [Import](#).

```

<?xml version="1.0" encoding="UTF-8"?>
<ExecutionResult ExitCode='0' Version='6.2.0.121'>
  <Data>
    <JobInfo ConfigId='00000000-0000-0000-0000-000000000000' CryptId='00000000
-0000-0000-0000-000000000000' CryptType='10' JobDesc='Created by VMWIN2\Adminis
trator at 1/9/2019 2:16 AM.' JobMode='2' JobName='Backup Job' ObjectName='VMWIN
2' PolicyJobName=''>
      <SourceInfo>
        <EpDiskFilter BackupAllUsbDrives='False' BackupMode='1' BackupSystemSt
ate='False' BackupUserFolders='False' PartialConfig='False'>
          <Drive FilterType='0' IsExternaldrive='False'>
            <VolumeOrPartitionId MountPoint='C:\' Type='1' />
            <IncludeFolders>
              <String value='C:\' />
            </IncludeFolders>
            <ExcludeFolders />
          </Drive>
          <IncludeMasks />
          <ExcludeMasks />
          <UserProfilesBackupOptions ExcludeCorruptedProfiles='False' ExcludeT
emporaryProfiles='False' ExcludeRoamingProfiles='True' SelectedSpecialFolders='
1' SelectedFolderTypes='127' />
        </EpDiskFilter>
        <TargetInfo DriveName='F:\' RelativePath='VeeamBackup\' Type='1' />
        <StorageInfo BlockSize='3' CompressionLevel='5'>
          <Encryption Enabled='False' />
        </StorageInfo>
        <RetentionInfo RetentionType='0' RestorePointsCount='10' />
        <CacheInfo Enabled='False' />
        <GuestInfo>
          <Applications Enabled='False' ProcessTransactionLogs='True'>
            <Credentials Password='' UserName='' />
            <Sql Mode='1'>
              <Credentials Password='' UserName='' />
              <Backup BackupMinutes='15' Enabled='False' Expirable='True' Expire
Days='15' />
            </Sql>
            <Oracle AccountType='0' LifetimeHours='24' Mode='0' SizeGB='10'>
              <Credentials Password='' UserName='' />
              <Backup BackupMinutes='15' Enabled='False' Expirable='True' Expire
Days='15' />
            </Oracle>
            <SharePoint>
              <Credentials Password='' UserName='' />
            </SharePoint>
            <Script Mode='0' PostThawPath='' PreFreezePath=''>
              <Credentials Password='' UserName='' />
            </Script>
          </Applications>
          <Indexing Enabled='False' Type='3'>
            <IncludedFolders />
            <ExcludedFolders>
              <String value='%windir%' />
              <String value='%ProgramFiles%' />
              <String value='%ProgramFiles(x86)%' />
              <String value='%ProgramW6432%' />
              <String value='%TEMP%' />
            </ExcludedFolders>
          </Indexing>
        </GuestInfo>
      </SourceInfo>
    </JobInfo>
  </Data>
</ExecutionResult>

```

```

    </GuestInfo>
    <ScheduleInfo AtLock='False' AtLogOff='False' AtStorageAttach='False' Co
mpletionMode='0' EjectRemovableStorageOnceBackupIsCompleted='False' LimitBackup
sFrequency='False' ResumeMissedBackup='False' RunManually='True' UseBackupWindo
w='False' Version='1'>
      <SyntheticFull Enabled='False' />
      <ActiveFull Enabled='False' />
      <HealthCheck Enabled='False' />
      <Compact Enabled='False' />
      <RetryInfo Enabled='True' TimeoutMinutes='10' Times='3' />
    </ScheduleInfo>
    <StatisticsInfo AverageDuration='00:06:06.8250000' LastPointSize='145995
7760' TotalSize='13091151872' />
  </JobInfo>
  <ApplicationSettings CheckUpdates='True' CryptId='00000000-0000-0000-0000-
000000000000' CryptType='10' DisableControlPanelNotification='False' DisableSch
eduledBackups='False' DisableWakeupTimers='False' EnableUserFlr='False' LastChe
ckForUpdates='01/09/2019 04:50:40' LockDownMode='False' LogoText='Veeam Agent'
ServiceProviderMode='False' ShowBackupDuration='False' ThrottleBackupActivity='
True'>
    <EmailReport Notification='True'>
      <Header From='jerald.blake@veeam.com' Subject='[%JobResult%] %Computer
Name% - %JobName% - %CompletionTime%' To='jerald.blake@veeam.com' />
      <Conditions Failure='True' Success='True' Warning='True' />
      <Smtp Port='25' SecureConnection='False' Server='mail.veeam.com'>
        <Credentials Password='Enter the password here' UserName='amVyYWxkLm
JsYWt1' />
      </Smtp>
    </EmailReport>
    <Throttling DisableBackupOverMeteredConnection='True' LimitBandwidth='Tru
e' RestrictVPNConnections='False' RestrictWiFiNetworks='False' SpeedLimit='2' S
peedUnit='2' />
  </ApplicationSettings>
</Data>
<Notifications>
  <Notification Message='Configuration has been exported to C:\ProgramData\V
eeam\Endpoint\!Configuration\Config.xml' />
</Notifications>
</ExecutionResult>

```

Special Characters in XML

Some characters have a special meaning in the XML syntax and are reserved for internal purposes. You cannot use these characters to describe property values in the input XML file. If you use these characters in property values, Veeam Agent Configurator will not be able to parse the input XML file and will report an error in the results of command execution.

If you need to specify one of these characters in property values, you must replace it with the appropriate string.

Character	Character Replacement
<	<
>	>

Character	Character Replacement
&	&
'	'
"	"

Operation Statuses and Alerts

Operations performed with Veeam Agent Configurator commands end up with some result. Veeam Agent Configurator reports command results in the following way:

- If the command executes successfully, Veeam Agent Configurator reports exit code 0 (*Success*).
- If the command fails to execute successfully, Veeam Agent Configurator reports an error code and problem description.

```

Administrator: Command Prompt
C:\Program Files\Veeam\Endpoint Backup>Veeam.Agent.Configurator.exe -import /F:C:\
Veeam.configuration.xml
ExitCode: 1

Errors:
Could not find file 'C:\Veeam.configuration.xml'.

Usage: -import [/f:] [/u:] [/p:]

Options:
  /f:path to file      Path to the configuration file. If not specified, the
                       default path is used.
  /u:username          User name for Veeam repository access. If not
                       specified, the computer account is used.
  /p:password          Password for Veeam repository access.

Default path for configuration files is C:\ProgramData\Veeam\Endpoint\!Configurati
on\Config.xml

ExitCode: 1
  
```

Command execution can complete with the following statuses and alerts:

Error Code	Error Name	Error Description	Severity Level
0	Success	Operation has completed successfully.	Information
1	UnexpectedError	Unexpected error has occurred during the operation execution.	Error
2	UnexpectedWarning	Operation has completed with an unexpected warning, for example, wake up timers are disabled on the computer, and Veeam Agent for Microsoft Windows has failed to wake up the computer from sleep and start the backup job.	Warning
3	NotSupportedFeature	Feature is not supported by the operation, for example, an unsupported command, parameter type or value has been specified in the command input.	Error

Error Code	Error Name	Error Description	Severity Level
4	NotLicensedFeature	License applied to the protected machine does not cover the requested functionality.	Error
5	CanceledByUser	Operation has been canceled by the user.	Information
10	InvalidExecutionParams	Parameters provided for the command are invalid.	Error
20	FailedToPerform	Operation has not been performed, for example, Veeam Agent Configurator has failed to complete the command execution.	Error
30	JobNotFound	Backup job has not been configured and operation cannot be executed.	Error
40	FailedToSaveConfig	Veeam Agent Configurator has failed to generate the command output, for example, there is no free disk space, and the output XML file has not been saved.	Error
45	FailedToLoadConfig	Backup job configuration has not been loaded (for example, the input XML file has not been found by the specified path).	Error
50	InvalidJobConfiguration	Backup job configuration contains errors (for example, specified parameters are invalid).	Error

Encryption of User Credentials

When you set up the backup job, you sometimes provide user credentials in the job configuration. You may need to provide user credentials in the following cases:

- You target the backup job at a shared folder that requires user authentication.
- You target the backup job at a Veeam backup repository that requires user authentication.
- You enable application-aware processing for the backup job and need to provide credentials for a database administrator account (Microsoft SQL Server, Microsoft SharePoint or Oracle), or credentials for a user account under which pre-freeze and post-thaw scripts are executed.

Veeam Agent Configurator lets you provide user credentials in two ways:

- You can provide user credentials in the input XML file. This method can be used for all credentials records that you need to specify in the backup job configuration. For more information, see [How User Credentials are Encrypted](#).
- You can provide user credentials in parameters to the `-import` command. This method can be used only if you plan to change the backup target to a Veeam backup repository, and the Veeam backup repository requires user authentication. For more information, see [Import](#).

NOTE

User credentials for a Veeam backup repository can be provided in parameters to the `-import` command and in the input XML file. Veeam Agent Configurator handles conflict situations in the following way:

- If user credentials are provided in the command parameters and in the input XML file, Veeam Agent Configurator uses credentials from the command parameters.
- If user credentials are provided only in the input XML file, Veeam Agent Configurator uses credentials from the input XML file.
- If user credentials are provided neither in the command parameters nor in the input XML file, Veeam Agent Configurator uses credentials that were previously specified in the backup job configuration.

How User Credentials are Encrypted

To protect you against data interception, Veeam Agent Configurator supports encryption mechanisms for user credentials.

When you set up the backup job configuration, you can encrypt user credentials with one of encryption methods that Veeam Agent Configurator supports. In the input XML file, you must provide the encrypted credentials strings and define which method is used for data encryption. During job configuration import, Veeam Agent Configurator decrypts the credentials with the necessary decryption method.

To encrypt user credentials, you must perform the following actions:

1. Encrypt the password. The user name is not encrypted; you must provide it as a text string encoded in the Base64 format.

You must encrypt the user password in the following way:

- b. Encode the password as a byte array in the UTF-8 format.
- c. Encrypt the byte array with one of [supported encryption methods](#).
- d. Convert the encrypted byte array to the Base64 format.

NOTE

If the user password starts with the '*SHA256HEX:*' prefix followed by a space (), Veeam Agent Configurator considers the remaining part of the string to be a password hash in the hexadecimal format.

2. In the input XML file, provide the user name encoded in the Base64 format and encrypted user password.
3. In the `CryptType` parameter of the input XML file, define the method that Veeam Agent Configurator must use to decrypt the user password. For more information, see [Supported Encryption Methods](#).

```
<ExecutionResult>
<JobInfo ConfigId="f5bb9cd2-9b7d-4bb3-9c72-435cec24420c" CryptType="10">
  <TargetInfo Type="3" RemoteRepositoryName="Default Backup Repository" ServerPort="10001" ServerName="backupserver01.tech.local">
    <ServerCredentials Password="UGFzZc3dvcmQ=" UserName="c3J2MDZcQWRtaW5pc3RyYXRvcg==" />
  </JobInfo>
</ExecutionResult>
```

NOTE

During configuration export, Veeam Agent for Microsoft Windows does not store password values to the output XML file.

Supported Encryption Methods

Veeam Agent Configurator supports the following methods for data encryption and decryption:

Encryption method	Method code	Description
None	0	During job configuration import, Veeam Agent Configurator ignores encrypted data.
Base64 encoding	10	Default value at Veeam Agent for Microsoft Windows configuration export. Data is encoded in the Base64 format. If you want to change credentials after configuration export, you can encode user name and password into Base64 strings and insert the strings into the configuration file.
DES	20	Data is encrypted with the standard DES encryption algorithm. For more information, see Microsoft documentation .
ProtectedData CurrentUser	30	Data is encrypted with the standard ProtectedData mechanism. Data can be decrypted only by the user who encrypted it. For more information, see Microsoft documentation .
ProtectedData LocalMachine	31	Data is encrypted with the standard ProtectedData mechanism. Data can be decrypted only on the machine where it was encrypted. For more information, see Microsoft documentation .

To let Veeam Agent Configurator know which method you used for data encryption, you must specify the method type in the `CryptType` parameter. For example, if you have encrypted the user password using the DES algorithm, you must define value 20 in the `CryptType` parameter:

```
<ExecutionResult>  
<JobInfo ConfigId='f5bb9cd2-9b7d-4bb3-9c72-435cec24420c' CryptType="20"/>  
</ExecutionResult>
```

Getting Help

To display built-in help information about Veeam Agent Configurator in the command prompt, you can use the `/?` parameter.

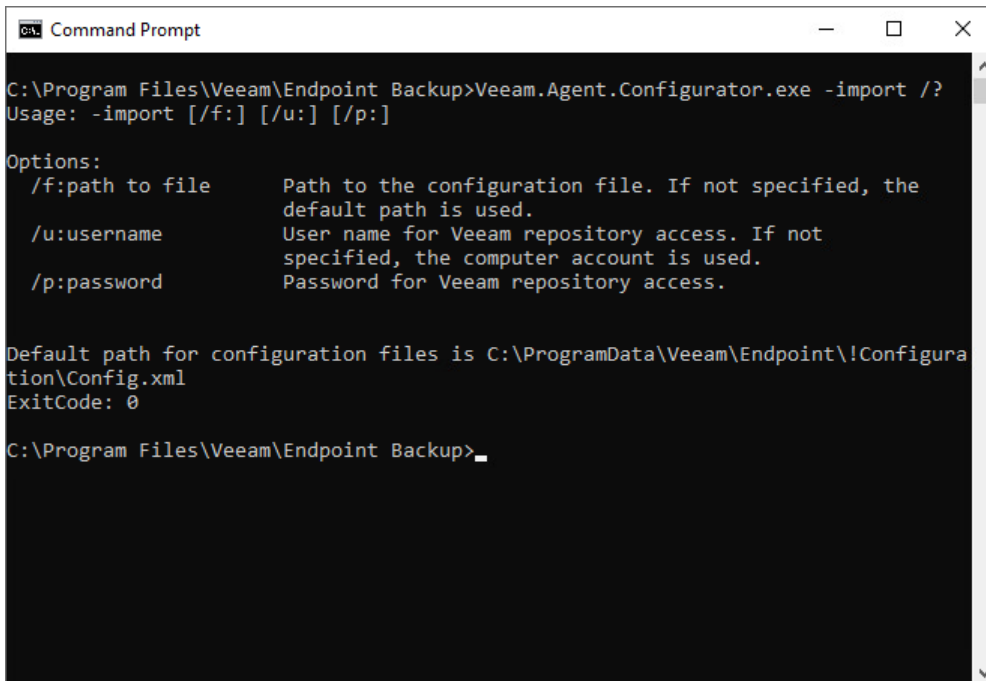
- To display information about all available Veeam Agent Configurator commands, use the following syntax:

```
Veeam.Agent.Configurator.exe /?
```

- To display information about a specific command, use the following syntax:

```
Veeam.Agent.Configurator.exe -<command> /?
```

For example, the `Veeam.Agent.Configurator.exe -import /?` command displays information about the `-import` command in the command prompt.



```
Command Prompt
C:\Program Files\Veeam\Endpoint Backup>Veeam.Agent.Configurator.exe -import /?
Usage: -import [/f:] [/u:] [/p:]

Options:
  /f:path to file      Path to the configuration file. If not specified, the
                       default path is used.
  /u:username          User name for Veeam repository access. If not
                       specified, the computer account is used.
  /p:password          Password for Veeam repository access.

Default path for configuration files is C:\ProgramData\Veeam\Endpoint\!Configura
tion\Config.xml
ExitCode: 0

C:\Program Files\Veeam\Endpoint Backup>
```

Commands

You can use the following Veeam Agent Configurator commands:

Command	Description
License	Installs the license and sets the product edition.
Import	Imports agent configuration from a file.
Export	Exports local agent configuration to a file.
InstallCBTDriver	Installs the Veeam Changed Block Tracking driver.
UninstallCBTDriver	Removes the Veeam Changed Block Tracking driver.
SetVBRSettings	Connects to a Veeam backup server using the configuration file. This operation is necessary to add Veeam Agent computer to the protection group for pre-installed Veeam Agents.
SyncNow	Synchronizes Veeam Agent with a Veeam backup server. This synchronization may be necessary for protection groups for pre-installed Veeam Agents.
ExportDebugLogs	Saves Veeam Agent logs to a folder on the Veeam backup server.
RemoveOwner	Removes connection to the Veeam backup server and switches Veeam Agent to the Standalone operation mode.

License

Installs a license on the machine where Veeam Agent for Microsoft Windows is running and sets the product edition.

Prerequisites

You must obtain a license file and store it on the local drive of the machine where Veeam Agent for Microsoft Windows is installed or in a network shared folder.

Syntax

```
Veeam.Agent.Configurator.exe -license /f: [/w] [/s]
```

Parameters

Parameter	Optional/Required	Description
/f:	Required	Path to the license file.
/w	Optional	Sets the agent edition to Workstation. If this parameter is not specified, Workstation edition is set automatically for the client OS versions.
/s	Optional	Sets the agent edition to Server. If this parameter is not specified, Server edition is set automatically for the server OS versions.

Example of Use

This example installs the `veeam_license.lic` license file stored in the `\\Fileserver\license\shared` folder and sets the product edition to Workstation.

```
Veeam.Agent.Configurator.exe -license /f:"\\Fileserver\license\veeam_license.lic" /w
```

Export

Exports the current Veeam Agent for Microsoft Windows application settings, backup job configuration and statistics information to the output XML file.

NOTE

For security purposes, Veeam Agent Configurator does not export password values to the output XML file.

Prerequisites

The backup job must be configured on the machine. If the backup job is not configured, Veeam Agent Configurator reports an error in the command output XML file and does not export the application settings and job configuration.

Syntax

```
Veeam.Agent.Configurator.exe -export [/id:] [/f:]
```

Parameters

Parameter	Optional/Required	Description
/id:	Optional	Configuration ID. This parameter is generated by Veeam Agent for Microsoft Windows. This parameter is used to export the particular job configuration. If this parameter is not specified, all configurations are exported to the output XML file.
/f:	Optional	Path to the exported configuration. If the target folder does not exist, Veeam Agent Configurator will create it. If this parameter is not specified, the default path is used: C:\ProgramData\Veeam\Endpoint\!Configuration\Config.xml.

Example of Use

This example exports the application data and backup job configuration with f5bb9cd2-9b7d-4bb8-4c54-653cec24420c ID to the Configuration.xml file in the C:\Veeam\ folder.

```
Veeam.Agent.Configurator.exe -export /id:f5bb9cd2-9b7d-4bb8-4c54-653cec24420c /f:C:\Veeam\Configuration.xml
```

Import

Imports Veeam Agent for Microsoft Windows application settings and backup job configuration from the input XML file.

When you run the `Import` command, you must provide the input XML file that contains updated application settings and configuration of the backup job. Veeam Agent Configurator reads parameters from the input XML file and updates the necessary settings in Veeam Agent for Microsoft Windows.

Syntax

```
Veeam.Agent.Configurator.exe -import [/f:] [/u:] [/p:]
```

Parameters

Parameter	Optional/Required	Description
<code>/f:</code>	Optional	Path to the configuration file. If this parameter is not specified, the default path is used: <code>C:\ProgramData\Veeam\Endpoint\!Configuration\Config.xml.</code>
<code>/u:</code>	Optional	This parameter is used if you want to change the backup target to a Veeam backup repository that requires authentication. User name for access to the Veeam backup repository. If this parameter is not specified, the computer account is used.
<code>/p:</code>	Optional	This parameter is used if you want to change the backup target to a Veeam backup repository that requires authentication. Password for access to the Veeam backup repository.

Example of Use

This example imports application settings and configuration of the backup job from the `C:\Veeam\Config.xml` file. The backup target is changed to the Veeam backup repository that can be accessed under a user account with the following credentials:

- Username: *Veeam*
- Password: *1234*

```
Veeam.Agent.Configurator.exe -import /f:C:\Veeam\Config.xml /u:Veeam /p:1234
```

InstallCBTDriver

Installs the Veeam Changed Block Tracking driver on the Veeam Agent computer. You can set up Veeam Agent for Microsoft Windows to use the Veeam CBT driver instead of the default CBT mechanism. The driver is intended for servers running applications with large database files. To learn more, see the [Veeam Changed Block Tracking Driver](#) section in the Veeam Agent for Microsoft Windows User Guide.

Syntax

```
Veeam.Agent.Configurator.exe -installCBTDriver [/r]
```

Parameters

Parameter	Optional/Required	Description
/r	Optional	Reboots the Veeam Agent computer.

Example of Use

This example installs Veeam CBT driver on the Veeam Agent computer and reboots the computer.

```
Veeam.Agent.Configurator.exe -installCBTDriver /r
```

UninstallCBTDriver

Removes the Veeam Changed Block Tracking driver. You can quickly remove the Veeam CBT driver, for example, if your Veeam Agent computer does not run applications with large database files any more, and you do not need to perform advanced change block tracking on this computer.

Prerequisites

The Veeam CBT driver must be installed on the Veeam Agent computer.

Syntax

```
Veeam.Agent.Configurator.exe -uninstallCBTDriver [/r]
```

Parameters

Parameter	Optional/Required	Description
/r	Optional	Reboots the Veeam Agent computer.

Example of Use

This example removes Veeam CBT driver from the Veeam Agent computer and reboots the computer.

```
Veeam.Agent.Configurator.exe -installCBTDriver /r
```

SetVBRSettings

Connects to a Veeam backup server using the configuration file. If you plan to manage Veeam Agent installed on a computer using a protection group for pre-installed Veeam Agents, you must connect to a Veeam backup server with a configuration file. This configuration file is generated by Veeam Backup & Replication. To learn more, see the [Protection Group Types](#) section in the Veeam Agent Management Guide.

When you run the `setVBRsettings` command, you must provide the XML file that contains configuration settings that Veeam Agent to connect to the Veeam backup server.

Keep in mind that the connection between Veeam Backup server and Veeam Agent computer added as a member of the protection group for pre-installed Veeam Agents is not persistent. Veeam Agent synchronizes with Veeam Backup & Replication every 6 hours. To learn how to synchronize Veeam Agent immediately, see [SyncNow](#):

Syntax

```
Veeam.Agent.Configurator.exe -setVBRsettings /p: [/force]
```

Parameters

Parameter	Optional/Required	Description
<code>/p:</code>	Required	Path to the configuration file.
<code>/force</code>	Optional	Suppresses all confirmation prompts.

Example of Use

This example connects to a Veeam backup server using configuration settings from the the `C:\Veeam\Windows Servers Distributions\Windows\Windows Servers.xml` file. As a result, Veeam Agent will be added to the *Windows Servers* protection group.

```
Veeam.Agent.Configurator.exe -setVBRsettings /p:"C:\Veeam\Windows Servers Distributions\Windows\Windows Servers.xml" /force
```

SyncNow

Connects to a Veeam backup server. When you configure backup policy on the Veeam Backup & Replication side, you must apply settings of this backup policy to Veeam Agent computes. This operation is performed automatically at the time when the backup policy is created and at the process of automatic protection group rescan. You can also apply backup policy settings manually from the Veeam Agent computer.

Prerequisites

The Veeam Agent computer must be connected to a Veeam backup server. To learn more, see [SetVBRSettings](#).

Syntax

```
Veeam.Agent.Configurator.exe -syncnow
```

ExportDebugLogs

Saves Veeam Agent logs to the following folder on the Veeam backup server:

```
C:\ProgramData\Veeam\Backup\Endpoint\Other\AgentLogs\
```

where `<computer_name>` is a name of the computer with Veeam Agent installed.

Prerequisites

- The Veeam Agent computer must be added to a protection group for pre-installed Veeam Agents. To learn more, see the [Protection Group Types](#) section in the Veeam Agent Management Guide.
- The Veeam Agent computer must be connected to a Veeam backup server. To learn more, see [SetVBRSettings](#).

Syntax

```
Veeam.Agent.Configurator.exe -exportdebuglogs
```

RemoveOwner

Removes connection to a Veeam backup server and switches Veeam Agent to the standalone operation mode.

Prerequisites

The Veeam Agent computer must be connected to a Veeam backup server. To learn more, see [SetVBRSettings](#).

Syntax

```
Veeam.Agent.Configurator.exe -removeOwner [/i] [/force]
```

Parameters

Parameter	Optional/Required	Description
/i	Optional	Ignores all errors and removes connection to the Veeam backup server.
/force	Optional	Suppresses all confirmation prompts.

Example of Use

This example removes connection to a Veeam backup server, switches Veeam Agent to the Standalone operation mode suppressing all notifications and confirmations.

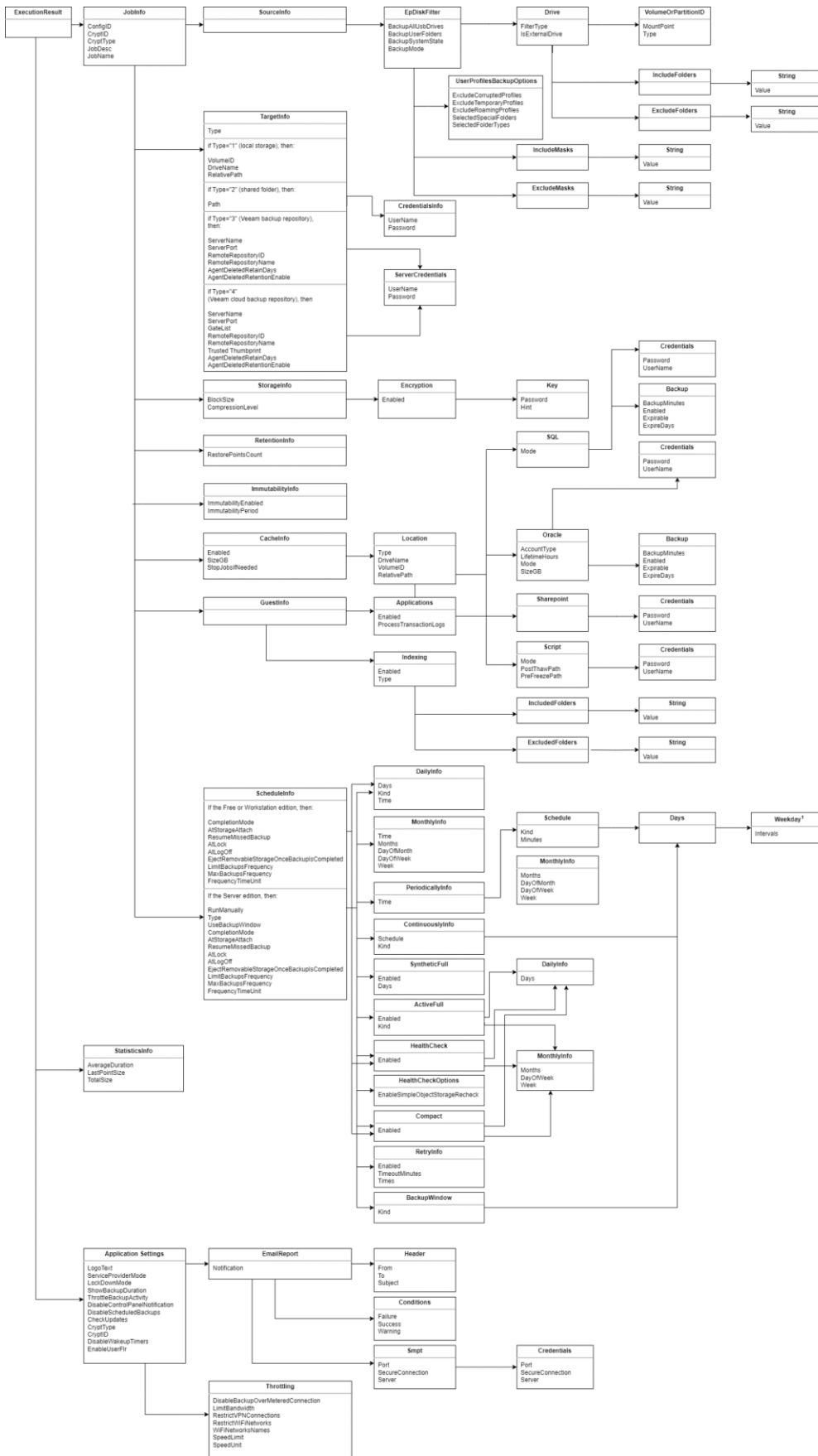
```
Veeam.Agent.Configurator.exe -removeOwner /i /force
```

XML File Structure

The XML file contains three sections:

- [Backup job settings](#) – backup job configuration. You can use this section to modify backup job settings such as backup type, backup target, scheduling settings and so on.
- [Application settings](#) – general Veeam Agent for Microsoft Windows settings specified at the application level. You can use this section to disable or enable backup over metered connections, throttle backup activities and so on.
- [Statistics information](#) – statistics information about the backup job performance.

The XML file has the following structure:



¹ Weekday is a parameter name placeholder that must be replaced by the weekday name (for example, Sunday).

```

<ExecutionResult>
  <JobInfo ConfigId='f5bb9cd2-9b7d-4bb3-9c72-435cec24420c' JobDesc='Weekly backup job by VMWIN2\Administrator' JobName='Backup Job' CryptType="10">
    <SourceInfo>
      <EpDiskFilter BackupUserFolders="True" BackupSystemState="False" BackupMode="2">
        <Drive FilterType="1">
          <VolumeOrPartitionId MountPoint="C:\" Type="1"/>
          <IncludeFolders>
            <String value="C:\Users"/>
          </IncludeFolders>
          <ExcludeFolders/>
        </Drive>
        <IncludeMasks/>
        <ExcludeMasks/>
        <UserProfilesBackupOptions ExcludeCorruptedProfiles='False' ExcludeTemporaryProfiles='False' ExcludeRoamingProfiles='True' SelectedSpecialFolders='1' SelectedFolderTypes='127'/>
      </EpDiskFilter>
    </SourceInfo>
    <TargetInfo Type='3' RemoteRepositoryName='Default Backup Repository' ServerPort='10001' ServerName='srv06.tech.local'>
      <ServerCredentials Password='UGFzc3dvcmQ=' UserName='c3J2MDZcQWRtaW5pc3RyYXRvcg=='/>
    </TargetInfo>
    <StorageInfo BlockSize='3' CompressionLevel='5'>
      <Encryption Enabled='False'/>
    </StorageInfo>
    <RetentionInfo RestorePointsCount='14'/><CacheInfo Enabled='False'/>
    <ImmutabilityInfo ImmutabilityPeriod="20" ImmutabilityEnabled="True"/>
    <GuestInfo>
      <Applications Enabled='False' ProcessTransactionLogs='True'/>
      <Indexing Type='3' Enabled='False'>
        <IncludedFolders/>
        <ExcludedFolders>
          <String value='%windir%'/>
          <String value='%ProgramFiles%'/>
          <String value='%ProgramFiles(x86)%'/>
          <String value='%ProgramW6432%'/>
          <String value='%TEMP%'/>
        </ExcludedFolders>
      </Indexing>
    </GuestInfo>
    <ScheduleInfo Version='1' Type='1' FrequencyTimeUnit='1' CompletionMode='0' MaxBackupsFrequency='2' LimitBackupsFrequency='True' UseBackupWindow='False' AtStorageAttach='False' AtLock='False' AtLogOff='False' EjectRemovableStorageOnceBackupIsCompleted='False' ResumeMissedBackup='False' RunManually='True'>
      <DailyInfo Days='Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday' Kind='0' Time='04/12/2017 00:30:00'/>
      <SyntheticFull Enabled='False'/>
      <ActiveFull Enabled='False'/>
      <HealthCheck Enabled="True" Kind="1"><MonthlyInfo Months="January, February, March, April, May, June, July, August, September, October, November, December" DayOfWeek="5" Week="5"/>
    </HealthCheck>
    <HealthCheckOptions EnableSimpleObjectStorageRecheck="True"/>
    <RetryInfo Enabled='True' TimeoutMinutes='10' Times='3'/>
  </ScheduleInfo>
</JobInfo>
<ApplicationSettings LogoText='Veeam Agent' LastCheckForUpdates='04/12/2017 01

```

```
:31:07' ServiceProviderMode='False' LockDownMode='False' DisableBackupOverMeteredConnection='True' ShowBackupDuration='False' ThrottleBackupActivity='True' DisableControlPanelNotification='True' DisableScheduledBackups='False' CheckUpdates='True' CryptType='10' />
</ExecutionResult>
```

Job Parameters

Veeam Agent for Microsoft Windows job parameters are grouped into the following sections:

- [General information](#)
- [Backup scope](#)
- [Backup target](#)
- [Storage settings](#)
- [Retention settings](#)
- [Cache settings](#)
- [Application-aware settings](#)
- [Scheduling settings](#)

General Information

This section describes general information of the backup job configuration.

Parent Tag	Parameter	Description
JobInfo		Parent tag that encapsulates job settings parameters.
	ConfigID	ID of a backup job configuration. This ID is unique within the machine.
	CryptID	Required only for ProtectedDataCurrentUser and ProtectedDataLocalMachine encryption methods. GUID based on which a pair of asymmetric keys is generated (string of 32 characters with 4 dashes, for example: 12345678-1234-1234-1234-123456789012).
	CryptType	Encryption method used to encrypt the user password. For more information, see Encryption of User Credentials .
	JobDesc	Description of a backup job.
	JobName	Name of a backup job.

Example

```
<ExecutionResult>  
  <JobInfo ConfigId='f5bb9cd2-9b7d-4bb3-9c72-435cec24420c' JobDesc='Weekly backup job by VMWIN2\Administrator' JobName='Backup Job'>  
  </JobInfo>  
</ExecutionResult>
```

Backup Scope

This section describes what data the backup job must process.

- [General settings](#)
- [Personal data settings](#)

General Settings

Parent Tag	Parameter	Description
SourceInfo		Parent tag that encapsulates information about the backup scope.
EpDiskFilter		Parent tag that encapsulates information about the backup mode.
	ExcludeOneDriveFolders	<p>This parameter is used only if you work with Veeam Agent for Microsoft Windows operating in the Managed mode.</p> <p>Parameter describes if Microsoft OneDrive folders and their content must be excluded from the backup.</p> <ul style="list-style-type: none">• False – Microsoft OneDrive folders and their content are included.• True – Microsoft OneDrive folders and their content are excluded.
	ExcludeSystemState	<p>This parameter is used only if you work with Veeam Agent for Microsoft Windows operating in the Managed mode.</p> <p>Parameter describes if data related to the OS installed on a protected computer must be excluded from the backup.</p> <ul style="list-style-type: none">• False – the OS volume is included.• True – the OS volume is excluded.
	BackupAllUsbDrives	<p>This parameter is used only if you backup entire computer image.</p> <p>Parameter describes if external USB drives must be included into the computer image. Possible values:</p> <ul style="list-style-type: none">• False – external USB drives are not included into the computer image.• True – external USB drives are included into the computer image.

Parent Tag	Parameter	Description
	BackupUserFolders	<p>This parameter is used only for file-level backup.</p> <p>Parameter describes if user personal files must be backed up. Possible values:</p> <ul style="list-style-type: none"> • False – user personal files are not backed up. • True – user personal files are backed up.
	BackupSystemState	<p>Parameter that enables operating system data backup. Possible values:</p> <ul style="list-style-type: none"> • False – operating system data is not backed up. • True – operating system data is backed up.
	BackupMode	<p>Backup mode. Possible values:</p> <ul style="list-style-type: none"> • 0 – entire computer backup. • 1 – volume-level backup. • 2 – file-level backup.
Drive		<p>This tag is used only for volume-level and file-level backup modes.</p> <p>Parent tag that encapsulates information about volumes or folders added to the backup scope.</p>
	FilterType	<p>This parameter is used only for volume-level and file-level backup modes.</p> <p>Backup mode. Possible values:</p> <ul style="list-style-type: none"> • 0 – volume-level backup. • 1 – file-level backup.
	IsExternaldrive	<p>This parameter is used only for volume-level and file-level backup modes.</p> <p>Type of the backed up drive. Possible values:</p> <ul style="list-style-type: none"> • False – backed up drive is internal. • True – backed up drive is external.
VolumeOrPartitionID		<p>This parameter is used only for volume-level and file-level backup modes.</p> <p>Mount point of the backed up volume or volume on which backed up folders are located. In the value, the volume name is specified, for example: C:\.</p>

Parent Tag	Parameter	Description
	MountPoint	<p>This parameter is used only for volume-level and file-level backup modes.</p> <p>GUID path of the backed up volume or volume on which backed up folders are located, for example: <code>\\?\Volume{26a37f5a-c4a6-4ae4-b724-4a36df814334}.</code></p> <p>Note: The <code>Path</code> parameter is not available in the output XML file. However, you can use it in the input XML file.</p>
	Type	<p>This parameter is used only for volume-level and file-level backup modes.</p> <p>Type of backed up volume or volume on which backed up folders are located. Possible values:</p> <ul style="list-style-type: none"> • 0 – UEFI system partition. • 1 – System Reserved partition or computer volume.
IncludeFolders		<p>This tag is used only for volume-level and file-level backup modes.</p> <p>Parent tag that encapsulates paths to backed up volumes and folders.</p>
	String value	<p>This parameter is used only for volume-level and file-level backup modes.</p> <p>Backed up disks and folders:</p> <ul style="list-style-type: none"> • For volume-level backup, a volume name is specified, for example: <code>C:\.</code> • For file-level backup, a path to the folder is specified, for example: <code>C:\Documents.</code>
ExcludeFolders		<p>This tag is used only for hybrid file-level backup (backup that includes computer volumes and folders with files).</p> <p>Parent tag that encapsulates paths to folders that are excluded from the backup.</p>
	String value	<p>This parameter is used only for hybrid file-level backup (backup that includes computer volumes and folders with files).</p> <p>Parameter describes folders that are excluded from the backup, for example: <code>C:\ProgramData.</code></p>

Parent Tag	Parameter	Description
IncludeMasks		<p>This tag is used only for file-level backup.</p> <p>Parent tag that encapsulates masks of files that are included in the backup.</p>
	String value	<p>This parameter is used only for file-level backup.</p> <p>Mask of files that are included in the backup, for example: *.docx. To provide several masks, use separate string value parameters.</p>
ExcludeMasks		<p>This tag is used only for the file-level backup.</p> <p>Parent tag that encapsulates masks of files that are excluded from the backup.</p>
	String value	<p>This parameter is used only for the file-level backup.</p> <p>Mask of files that are excluded from the backup, for example: *.avi. To provide several masks, use separate string value parameters.</p>

Personal Data Settings

Parent Tag	Parameter	Description
UserProfilesBackupOptions		<p>Parent tag that encapsulates information about the backup mode.</p>
	ExcludeCorruptedProfiles	<p>This parameter is used only for file-level backup.</p> <p>Parameter describes if corrupted profiles must be excluded from the backup.</p> <p>Possible values:</p> <ul style="list-style-type: none"> • False – corrupted profiles are included. • True – corrupted profiles are excluded.
	ExcludeTemporaryProfiles	<p>This parameter is used only for file-level backup.</p> <p>Parameter describes if temporary profiles must be excluded from the backup.</p> <p>Possible values:</p> <ul style="list-style-type: none"> • False – temporary profiles are included. • True – temporary profiles are excluded.

Parent Tag	Parameter	Description
	ExcludeRoamingProfiles	<p>This parameter is used only for file-level backup.</p> <p>Parameter describes if roaming profiles must be excluded from the backup.</p> <p>Possible values:</p> <ul style="list-style-type: none"> • False – roaming profiles are included. • True – roaming profiles are excluded.
	SelectedSpecialFolders	<p>This parameter is used only for file-level backup.</p> <p>Parameter describes if folders and files, that are located in the <i>Users</i> folder but are not managed by the SelectedFolderTypes parameter, must be included in the backup.</p> <ul style="list-style-type: none"> • 0 – folders and files are excluded. • 1 – folders and files are included.
	SelectedFolderTypes	<p>This parameter is used only for file-level backup.</p> <p>Parameter describes what subfolders of the <i>Users</i> folder must be included in the backup.</p> <p>Possible values:</p> <ul style="list-style-type: none"> • 1 – the <i>Desktop</i> subfolder is included. • 2 – the <i>Documents</i> subfolder is included. • 4 – the <i>Pictures</i> subfolder is included. • 8 – the <i>Video</i> subfolder is included. • 16 – the <i>Music</i> subfolder is included. • 32 – the <i>Favorites</i> subfolder is included. • 64 – the <i>Downloads</i> subfolder is included. • 128 – the <i>Application Data</i> subfolder is included. <p>If you want to include several subfolders of the <i>Users</i> folder, specify the sum of the values. For example, to include the <i>Desktop</i> and <i>Documents</i> subfolders, you must set the <code>SelectedFolderTypes</code> parameter to 3.</p>

Example 1

You want the backup job to back up the `E:\` drive. The input XML file must contain the following parameters:

```
<ExecutionResult>
  <JobInfo ConfigId="f5bb9cd2-9b7d-4bb3-9c72-435cec24420c" JobName="Backup Job">
    <SourceInfo>
      <EpDiskFilter BackupSystemState="False" BackupUserFolders="False" BackupMode="1">
        <Drive FilterType="0" IsExternaldrive="False">
          <VolumeOrPartitionId MountPoint="E:\" Type="1"/>
          <IncludeFolders>
            <String value="E:\"/>
          </IncludeFolders>
          <ExcludeFolders/>
        </Drive>
        <IncludeMasks/>
        <ExcludeMasks/>
      </EpDiskFilter>
    </SourceInfo>
  </JobInfo>
</ExecutionResult>
```

Example 2

You want to back up the *Documents* folder of the *Users* folder and exclude all TXT files from it. The input XML file will contain the following parameters:

```
<ExecutionResult>
  <JobInfo ConfigId="f5bb9cd2-9b7d-4bb3-9c72-435cec24420c" JobName="Backup Job">
    <SourceInfo>
      <EpDiskFilter BackupSystemState="False" BackupUserFolders="True" BackupMode="2">
        <IncludeMasks/>
        <ExcludeMasks>
          <String value="*.TXT"/>
        </ExcludeMasks/>
        <UserProfilesBackupOptions ExcludeCorruptedProfiles="True" ExcludeTemporaryProfiles="True" ExcludeRoamingProfiles="True" SelectedSpecialFolders="0" SelectedFolderTypes="2"/>
      </EpDiskFilter>
    </SourceInfo>
  </JobInfo>
</ExecutionResult>
```

Backup Target

This section describes where backup files must be stored.

- [General settings](#)
- [Computer disk settings](#)
- [Shared folder settings](#)
- [Backup repository settings](#)
- [Cloud repository settings](#)
- [Object storage settings](#)

General Settings

Parent Tag	Parameter	Description
TargetInfo		Parent tag that encapsulates information about the backup target.
	Type	Type of backup target. Possible values: <ul style="list-style-type: none">• 1 – folder on a computer disk• 2 – shared folder• 3 – Veeam backup repository• 4 – Veeam cloud backup repository• 6 – object storage

Computer Disk Settings

Parent Tag	Parameter	Description
TargetInfo		Parent tag that encapsulates information about the backup target.
	DriveName	Name of a volume where backup files must be stored, for example: C:\.
	VolumeID	GUID path of a volume where backup files must be stored, for example: {26a37f5a-c4a6-4ae4-b724-4a36df814334}. Note: The <code>VolumeID</code> parameter is not available in the output XML file. However, you can use it in the input XML file.

Parent Tag	Parameter	Description
	RelativePath	Path to a folder where backup files must be stored, for example: Backup\

Shared Folder Settings

Parent Tag	Parameter	Description
TargetInfo		Parent tag that encapsulates information about the backup target.
	Path	Path to a shared folder where backups must be stored, for example: \\172.17.25.73\Backups.
CredentialsInfo		This tag is used only if you plan to store backup files in a shared folder that requires user authentication. Parent tag that encapsulates information about credentials for access to the shared folder.
	UserName	This parameter is used only if you plan to store backup files in a shared folder that requires user authentication. User name for access to the shared folder. The user name is specified as a text string encoded in the Base64 format.
	Password	This parameter is used only if you plan to store backup files in a shared folder that requires user authentication. Password for access to the shared folder. The password is encrypted. For more information, see Encryption of User Credentials .

Backup Repository Settings

Parent Tag	Parameter	Description
TargetInfo		Parent tag that encapsulates information about the backup target.
	ServerName	Name of the backup server that manages the target Veeam backup repository.

Parent Tag	Parameter	Description
	ServerPort	Port used for communication between the machine on which Veeam Agent for Microsoft Windows is installed and Veeam backup server. By default, port 10001 is used.
	RemoteRepositoryID	<p>GUID path of the cloud backup repository where backup files are stored, for example: {88788f9e-d8f5-4eb4-bc4f-9b3f5403bcec}.</p> <p>Note: The <code>RemoteRepositoryID</code> parameter is not available in the output XML file. However, you can use it in the input XML file.</p>
	RemoteRepositoryName	Name of the backup repository, for example: Backup Volume 01.
	AgentDeletedRetentionEnable	<p>This parameter is used only if you plan to store backup files in a Veeam backup repository or Veeam Cloud Connect repository.</p> <p>This parameter specifies retention policy for outdated backups. Possible values:</p> <ul style="list-style-type: none"> • True – Veeam Agent for Microsoft Windows retains outdated backups for the specified period of time. • False – Veeam Agent for Microsoft Windows does not retain outdated backups.
	AgentDeletedRetailDays	<p>This parameter is used only if you set the <code>AgentDeletedRetentionEnable</code> parameter value to True.</p> <p>Number of days Veeam Agent for Microsoft Windows retains outdated backups. By default, Veeam Agent for Microsoft Windows retains outdated backups for 30 days.</p>
ServerCredentials		<p>This tag is used only if you plan to store backup files in a Veeam backup repository that requires user authentication.</p> <p>Parent tag that encapsulates information about credentials for access to the Veeam backup repository.</p>

Parent Tag	Parameter	Description
	UserName	<p>This parameter is used only if you plan to store backup files in a Veeam backup repository that requires user authentication.</p> <p>User name for access to the Veeam backup repository. The user name is specified as a text string encoded in the Base64 format.</p>
	Password	<p>This parameter is used only if you plan to store backup files on a Veeam backup server that requires user authentication.</p> <p>Password for access to the Veeam backup repository. The password is encrypted. For more information, see Encryption of User Credentials.</p>

Cloud Repository Settings

Parent Tag	Parameter	Description
TargetInfo		Parent tag that encapsulates information about the backup target.
	ServerName	<p>Full DNS name or IP address of the default cloud gateway over which backup data is transported to the cloud backup repository.</p> <p>Beside the default gateway, you can specify a list of additional cloud gateways in the <code>GateList</code> parameter. Veeam Agent for Microsoft Windows uses additional cloud gateways if the default cloud gateway is inaccessible.</p>
	ServerPort	TCP/IP port over which user backup servers must communicate with the cloud gateway. By default, port 6180 is used.

Parent Tag	Parameter	Description
	GateList	<p>List of additional cloud gateway servers and ports over which backup data is transported to the cloud backup repository. Veeam Agent for Microsoft Windows uses additional cloud gateways if the default cloud gateway is inaccessible.</p> <p>Information about additional cloud gateways is specified following format: <code>Gateway:Port</code>. Additional cloud gateways are listed in the priority order, entries in the list are separated with a semicolon followed by a space, for example: <code>GateList=" 14.137.17.51:6180; 14.137.17.52:6180"</code>.</p>
	RemoteRepositoryName	Name of a cloud backup repository on which backups are stored.
	RemoteRepositoryID	<p>GUID path of the cloud backup repository where backup files must be stored, for example: <code>{fcaaef5e-6f9d-4311-96f0-8005518df1b8}</code>.</p> <p>Note: The <code>RemoteRepositoryID</code> parameter is not available in the output XML file. However, you can use it in the input XML file.</p>
	TrustedThumbprint	<p>Thumbprint of the TLS certificate used to secure communication in the Veeam Cloud Connect infrastructure.</p> <p>The <code>TrustedThumbprint</code> parameter is optional, and is used for TLS certificate verification.</p>
	AgentDeletedRetentionEnable	<p>This parameter is used only if you plan to store backup files in a Veeam backup repository or Veeam Cloud Connect repository.</p> <p>This parameter specifies retention policy for outdated backups. Possible values:</p> <ul style="list-style-type: none"> • True – Veeam Agent for Microsoft Windows retains outdated backups for the specified period of time. • False – Veeam Agent for Microsoft Windows does not retain outdated backups.
	AgentDeletedRetailDays	<p>This parameter is used only if you set the <code>AgentDeletedRetentionEnable</code> parameter value to <code>True</code>.</p> <p>Number of days Veeam Agent for Microsoft Windows retains outdated backups. By default, Veeam Agent for Microsoft Windows retains outdated backups for 30 days.</p>

Parent Tag	Parameter	Description
ServerCredentials		Parent tag that encapsulates information about credentials for access to the cloud backup repository.
	UserName	User name for access to the cloud backup repository. The user name is specified as a text string encoded in the Base64 format.
	Password	Password for access to the cloud backup repository. The password is encrypted. For more information, see Encryption of User Credentials .

Object Storage Settings

The settings are different depending on the type of the object storage. For details, see the following subsections:

- [Amazon S3 Storage Settings](#)
- [Microsoft Azure Blob Storage Settings](#)
- [Google Cloud Storage Settings](#)
- [S3 Compatible Storage Settings](#)

Amazon S3 Storage Settings

Parent Tag	Parameter	Description
TargetInfo		Parent tag that encapsulates information about the backup target.
	VersioningEnabled	<p>This parameter shows if S3 Versioning is enabled on the Amazon S3 storage side to keep multiple versions of an object in one bucket. Possible values:</p> <ul style="list-style-type: none"> • True – S3 Versioning is enabled. • False – S3 Versioning is disabled. <p>For more information, see this Amazon article.</p>

Parent Tag	Parameter	Description
	StorageClass	Type of the Amazon S3 storage class. Possible values: <ul style="list-style-type: none"> • 0 – Amazon S3 Standard • 1 – Amazon S3 Standard-Infrequent Access • 2 – Amazon S3 One Zone-Infrequent Access • 3 – Amazon S3 Intelligent-Tiering • 4 – Amazon S3 Glacier Flexible Retrieval • 5 – Amazon S3 Glacier Deep Archive • 6 – Amazon S3 Glacier Instant Retrieval For more information, see this Amazon article .
	ClientName	Name of the Veeam product. For Veeam Agent for Microsoft Windows, this parameter has the following value: VAW.
	FolderName	Name of the folder in the bucket to store backups.
	BucketName	Name of the bucket in the storage to store backups.
	Region	Datacenter location.
	ClientId	Identificator of the object storage client.
	CloudType	For the Amazon S3 storage, this parameter has the following value: 1.
AccessKeys		Parent tag that encapsulates information about credentials for access to the object storage.
	UserName	User name for access to the object storage. The user name is specified as a text string encoded in the Base64 format.
	Password	Password for access to the object storage. The password is encrypted. For more information, see Encryption of User Credentials .

Microsoft Azure Blob Storage Settings

Parent Tag	Parameter	Description
TargetInfo		Parent tag that encapsulates information about the backup target.
	VersioningEnabled	<p>This parameter shows if Blob versioning is enabled on the Microsoft Azure Blob storage side to maintain previous versions of an object in the storage. Possible values:</p> <ul style="list-style-type: none"> • True – Blob versioning is enabled. • False – Blob versioning is disabled. <p>For more information, see Microsoft documentation.</p>
	ClientName	Name of the Veeam product. For Veeam Agent for Microsoft Windows, this parameter has the following value: VAW.
	StorageClass	<p>Type of the blob access tier. Possible values:</p> <ul style="list-style-type: none"> • 0 – Default • 1 – Hot • 2 – Cool • 3 – Archive <p>For more information, see Microsoft documentation.</p>
	FolderName	Name of the folder in the container to store backups.
	ContainerName	Name of the container in the storage to store backups.
	Region	Data center location.
	ClientId	Identifier of the object storage client.
	CloudType	For the Microsoft Azure Blob storage, this parameter has the following value: 2.
AccessKeys		Parent tag that encapsulates information about credentials for access to the object storage.
	UserName	User name for access to the object storage. The user name is specified as a text string encoded in the Base64 format.

Parent Tag	Parameter	Description
	Password	Password for access to the object storage. The password is encrypted. For more information, see Encryption of User Credentials .

Google Cloud Storage Settings

Parent Tag	Parameter	Description
TargetInfo		Parent tag that encapsulates information about the backup target.
	ClientName	Name of the Veeam product. For Veeam Agent for Microsoft Windows, this parameter has the following value: VAW.
	StorageClass	Type of the Google Cloud storage class. Possible values: <ul style="list-style-type: none"> • 0 – Standard • 1 – Nearline • 2 – Coldline • 3 – Archive For more information, see this Google Cloud article .
	RegionType	Type of the Google Cloud storage bucket location. Possible values: <ul style="list-style-type: none"> • 0 – Single • 1 – Dual • 2 – Multi For more information, see this Google Cloud article .
	FolderName	Name of the folder in the bucket to store backups.
	BucketName	Name of the container in the storage to store backups.
	Region	Data center location.
	ClientId	Identifier of the object storage client.
	CloudType	For the Google Cloud storage, this parameter has the following value: 3.

Parent Tag	Parameter	Description
AccessKeys		Parent tag that encapsulates information about credentials for access to the object storage.
	UserName	User name for access to the object storage. The user name is specified as a text string encoded in the Base64 format.
	Password	Password for access to the object storage. The password is encrypted. For more information, see Encryption of User Credentials .

S3 Compatible Storage Settings

Parent Tag	Parameter	Description
TargetInfo		Parent tag that encapsulates information about the backup target.
	VersioningEnabled	This parameter shows if versioning is enabled on the S3 Compatible storage side to keep multiple versions of an object in one bucket. Possible values: <ul style="list-style-type: none"> • True – Versioning is enabled. • False – Versioning is disabled.
	UrlStyle	URL style used to access the S3 bucket. Possible values: <ul style="list-style-type: none"> • 0 – Virtual-hosted-style • 1 – Path-style
	ServicePoint	Endpoint address of the S3 Compatible device.
	ClientName	Name of the Veeam product. For Veeam Agent for Microsoft Windows, this parameter has the following value: VAW.
	FolderName	Name of the folder in the bucket to store backups.
	BucketName	Name of the bucket in the storage to store backups.
	Region	Data center location.
	ClientId	Identifier of the object storage client.

Parent Tag	Parameter	Description
	CloudType	For the S3 Compatible storage, this parameter has the following value: 4.
AccessKeys		Parent tag that encapsulates information about credentials for access to the object storage.
	UserName	User name for access to the object storage. The user name is specified as a text string encoded in the Base64 format.
	Password	Password for access to the object storage. The password is encrypted. For more information, see Encryption of User Credentials .

Example 1

You want to back up data to the `Backups` folder on the `D:\` drive on the computer. The input XML file will contain the following parameters:

```
<ExecutionResult>
<JobInfo ConfigId="f5bb9cd2-9b7d-4bb3-9c72-435cec24420c" JobName="Backup Job">
<TargetInfo Type="1" RelativePath="Backups\" DriveName="D:\"/>
</JobInfo>
</ExecutionResult>
```

Example 2

You want to back up data to the `\\fileserver01\Backups` shared folder. The shared folder requires authentication, and you use the following user account to access it:

- Username: *TECH\Administrator*
- Password: *Password*

The input XML file will contain the following parameters:

```
<ExecutionResult>
<JobInfo ConfigId="f5bb9cd2-9b7d-4bb3-9c72-435cec24420c" JobName="Backup Job">
<TargetInfo Type="2" Path="\\fileserver01\Backups">
<CredentialsInfo UserName="VEVDSFxBZG1pbmlzdHJhdG9y" Password="UGFzc3dvcmQ="/>
</TargetInfo>
</JobInfo>
</ExecutionResult>
```

Example 3

You want to back up data to the BackupVolume01 backup repository configured on the backup01.tech.local backup server. You use the following credentials to access the backup server:

- Username: *TECH\Administrator*
- Password: *Password*

The input XML file will contain the following parameters:

```
<ExecutionResult>
  <JobInfo ConfigId="f5bb9cd2-9b7d-4bb3-9c72-435cec24420c" JobName="Backup Job"
  CryptType="10">
    <TargetInfo Type="3" RemoteRepositoryName="BackupVolume01" ServerPort="100
  01" ServerName="backup01.tech.local">
      <ServerCredentials Password="UGFzc3dvcmQ=" UserName="VEVDSFxBZG1pbmlzdHJ
  hdG9y"/>
    </TargetInfo>
  </JobInfo>
</ExecutionResult>
```

Example 4

You want to back up data to the Cloud01 backup repository accessed over the following gateway servers:

- 14.137.17.50 (default gateway server)
- 14.137.17.51 (additional gateway server)
- 14.137.17.52 (additional gateway server)
- Username: *TECH\Administrator*
- Password: *Password*

The input XML file will contain the following parameters:

```
<ExecutionResult>
  <JobInfo ConfigId="f5bb9cd2-9b7d-4bb3-9c72-435cec24420c" JobName="Backup Job"
  CryptType="10">
    <TargetInfo type="4" GateList="14.137.17.51:6180; 14.137.17.52:6180" RemoteR
  epositoryName="Cloud01" ServerPort="6180" ServerName="14.137.17.50"/>
      <ServerCredentials Password="UGFzc3dvcmQ=" UserName="VEVDSFxBZG1pbmlzdHJhdG9
  y"/>
    </JobInfo>
</ExecutionResult>
```

Example 5

You want to back up data to the Backups folder in the Veeam bucket located on the Belgium data center in the Google Cloud storage. The input XML file will contain the following parameters:

```
<ExecutionResult>
  <JobInfo ConfigId="8c56c897-0x7a-445c-91f9-x8b12c7bas45" JobName="Backup Job">
    <TargetInfo Type="6" ClientName="VAW" StorageClass="0" RegionType="0" Folder
Name="veeam_backup" BucketName="eu-west" Region="EUROPE-WEST1" ClientId="464539
51-f154-8x6d-3733-5a4a38f55eb2" CloudType="3">
      <AccessKeys Password="SsMyr6seDWPv" UserName="NZLkFKRTY1YKwLSzxTOSLDWRzGSV
dOV0qWZXx"/>
    </TargetInfo>
  </JobInfo>
</ExecutionResult>
```

Storage Settings

This section describes settings for backup files stored on the backup target.

Parent Tag	Parameter	Description
StorageInfo		Parent tag encapsulating information about storage settings.
	BlockSize	<p>Size of data blocks that Veeam Agent for Microsoft Windows uses to process data. Possible values:</p> <ul style="list-style-type: none"> • 0 – Veeam Agent for Microsoft Windows uses data block size of 256 KB. This block size is recommended if you plan to back up data offsite over WAN. • 1 – Veeam Agent for Microsoft Windows uses data block size of 512 KB. This block size is recommended for onsite backup to NAS over 1 GB Ethernet. • 3 – Veeam Agent for Microsoft Windows uses data block size of 1024 KB. This block size is recommended for backup to SAN, DAS or local storage. • 5 – Veeam Agent for Microsoft Windows uses data block size of 4 MB. This block size is recommended for backup files over 16 TB.
	CompressionLevel	<p>Compression level for the resulting backup file. Possible values:</p> <ul style="list-style-type: none"> • 0 – compression is disabled. • 4 – dedupe-friendly compression. Recommended for deduplicating storage appliances and external WAN accelerators. • 5 – optimal compression. Provides the best compression to performance ratio and lowest CPU usage. • 6 – high compression. Provides additional 10% compression ratio over optimal, at the cost of 10x higher CPU usage. • 9 – extreme compression. Provides additional 3% compression ratio over high, at the cost of 2x higher CPU usage.
Encryption		Parent tag that encapsulates information about backup encryption settings.
	Enabled	<p>Parameter specifies if Veeam Agent for Microsoft Windows must encrypt the resulting backup file. Possible values:</p> <ul style="list-style-type: none"> • True – backup is encrypted. • False – backup is not encrypted.

Parent Tag	Parameter	Description
Key		This tag is used if you select to encrypt the resulting backup file. Parent tag that encapsulates information about the encryption password and hint.
	Password	This parameter is used if you select to encrypt the resulting backup file. Password that is used to encrypt the resulting backup file. The password must be encoded in the Base64 format.
	Hint	This parameter is used if you select to encrypt the resulting backup file. Hint for the password used to encrypt the resulting backup file. The hint must be encoded in the Base64 format. IMPORTANT! The <code>Hint</code> parameter is required.

Example

You want to use dedupe-friendly compression, and encrypt the resulting backup file with the following password:

- Password: *Password*
- Hint: *Standard password*

The input XML file will contain the following parameters:

```
<ExecutionResult>
  <JobInfo ConfigId="f5bb9cd2-9b7d-4bb3-9c72-435cec24420c" JobName="Backup Job"
  CryptType="10">
    <StorageInfo BlockSize="3" CompressionLevel="4">
      <Encryption Enabled="True">
        <Key Password="UGFzc3dvcnQ=" Hint="U3RhbmRhcmQgcGFzc3dvcnQ=" />
      </Encryption>
    </StorageInfo>
  </JobInfo>
</ExecutionResult>
```

Retention Settings

This section describes retention settings for backup files stored on the backup target.

Parent Tag	Parameter	Description
RetentionInfo		Parent tag that encapsulates information about short-term retention policy settings.
	RetentionType	Type of the applied short-term retention policy. Possible values: <ul style="list-style-type: none">• 0 – Veeam Agent retains a certain number of latest restore points.• 1 – Veeam Agent retains restore points for a certain number of days. Note: for Free/Workstation edition, you can set this parameter only to 1.
	RestorePointsCount	Number of restore points that is maintained by the backup job. <ul style="list-style-type: none">• If the <code>RetentionType</code> is set to 0, the <code>RestorePointsCount</code> parameter defines the number of latest restore points maintained in the backup chain.• If the <code>RetentionType</code> is set to 1, the <code>RestorePointsCount</code> parameter defines the number of days during which Veeam Agent retains a restore point.

Example

You use the Server edition and want to keep 10 restore points in the backup chain on the backup target. The input XML file will contain the following parameters:

```
<ExecutionResult>
  <JobInfo ConfigId="f5bb9cd2-9b7d-4bb3-9c72-435cec24420c" JobName="Backup Job">
    <RetentionInfo RetentionType="0" RestorePointsCount="10"/>
  </JobInfo>
</ExecutionResult>
```

Immutability Settings

This section describes immutability settings for backup files stored on the backup target.

Parent Tag	Parameter	Description
ImmutabilityInfo		Parent tag that encapsulates information about immutability settings.
	ImmutabilityEnabled	Parameter describes if immutability is enabled. Possible values: <ul style="list-style-type: none">• True – Immutability is enabled.• False – Immutability is disabled.
	ImmutabilityPeriod	Parameter defines the number of days during which Veeam Agent keeps backups immutable.

Example

You want to keep backups immutable for 20 days. The input XML file will contain the following parameters:

```
<ExecutionResult>
  <JobInfo ConfigId="r5bq9cd2-6c7z-4qq3-76a2-435asa26420a" JobName="Backup Job">
    <ImmutabilityInfo ImmutabilityPeriod="20" ImmutabilityEnabled="True"/>
  </JobInfo>
</ExecutionResult>
```

Cache Settings

This section describes settings for local backup cache.

Parent Tag	Parameter	Description
CacheInfo		Parent tag that encapsulates information about local backup cache settings.
	Enabled	Parameter specifies if local backup cache is used. Possible values: <ul style="list-style-type: none"> • True – local backup cache is used. • False – local backup cache is not used.
	SizeGB	This parameter is used only if you plan to use local backup cache. Size of local backup cache specified in GB. If the size of local backup cache is 1024-fold, Veeam Agent for Microsoft Windows automatically converts the value to TB.
	StopJobsIfNeeded	This tag is used only if you plan to use local backup cache. If you need to update settings for the backup job for which local backup cache settings are already configured, you must first disable the backup job. To do this, you can use <code>StopJobsIfNeeded</code> parameter. With this parameter set to <code>True</code> , Veeam Agent Configurator disables the backup job, updates the job settings and re-enables the job after that. Possible values: <ul style="list-style-type: none"> • True – backup job is disabled before backup job settings are updated, and re-enabled after the backup job settings are updated. • False – backup job is not disabled before backup job settings are updated.
Location		This tag is used only if you plan to use local backup cache. Parent tag that encapsulates information about local backup cache location.
	Type	This parameter is used only if you plan to use local backup cache. Type of storage for local backup cache. Possible values: <ul style="list-style-type: none"> • 1 – folder on the local computer disk.

Parent Tag	Parameter	Description
	DriveName	<p>This parameter is used only if you plan to use local backup cache.</p> <p>Name of a volume where local backup cache must be stored, for example: D:\.</p>
	VolumeID	<p>This parameter is used only if you plan to use local backup cache.</p> <p>GUID path of a volume where local backup cache must be stores, for example: {26a37f5a-c4a6-4ae4-b724-4a36df814334}.</p> <p>Note: The <code>VolumeID</code> parameter is not available in the output XML file. However, you can use it in the input XML file.</p>
	RelativePath	<p>This parameter is used only if you plan to use local backup cache.</p> <p>Path to a folder where local backup cache must be stored, for example: Cache\</p>

Example

You want store local backup cache in the `D:\Cache` folder, and the cache size is 10 GB. The input XML file will contain the following parameters:

```
<ExecutionResult>
  <JobInfo ConfigId="f5bb9cd2-9b7d-4bb3-9c72-435cec24420c" JobName="Backup Job">
    <CacheInfo Enabled="True" SizeGB="10">
      <Location Type="1" RelativePath="Cache" DriveName="D:\"/>
    </CacheInfo>
  </JobInfo>
</ExecutionResult>
```

Application-Aware Settings (Server Mode)

This section describes application-aware settings of the backup job.

- [General settings](#)
- [Microsoft SQL Server settings](#)
- [Oracle settings](#)
- [Microsoft SharePoint settings](#)
- [Custom script settings](#)
- [File indexing settings](#)

General Settings

Parent Tag	Parameter	Description
Applications		Parent tag that encapsulates information about application-aware settings.
	Enabled	Parameter describes if application-aware processing is enabled. Possible values: <ul style="list-style-type: none">• True – application-aware processing is enabled.• False – application-aware processing is disabled.
	ProcessTransaction Logs	Parameter describes how transaction logs must be processed. Possible values: <ul style="list-style-type: none">• True – transaction logs are processed with the Veeam Agent for Microsoft Windows backup job.• False – transaction logs are processed with a third-party tool. Veeam Agent for Microsoft Windows performs copy-only backup.

Microsoft SQL Server Settings

Parent Tag	Parameter	Description
Sql		Parent tag that encapsulates information about transaction logs settings for Microsoft SQL Server.

Parent Tag	Parameter	Description
	Mode	<p>Parameter describes how Veeam Agent for Microsoft Windows processes transaction logs for Microsoft SQL Server. Possible values:</p> <ul style="list-style-type: none"> • 0 – Veeam Agent for Microsoft Windows does not truncate transaction logs. • 1 – Veeam Agent for Microsoft Windows truncates transaction logs. • 3 – Veeam Agent for Microsoft Windows periodically backs up transaction logs. During the job session, Veeam Agent for Microsoft Windows also truncates transaction logs. <p>NOTE! If you do not specify the <code>Mode</code> parameter but set the <code>Enabled</code> parameter in the <code>Backup</code> tag to <code>True</code>, transaction log backup will be enabled.</p>
Backup		<p>This tag is used only if you set the <code>Mode</code> parameter to 3 (Veeam Agent for Microsoft Windows periodically backs up transaction logs).</p> <p>Parent tag encapsulating information about transaction logs backup settings for Microsoft SQL Server.</p>
	Enabled	<p>This parameter is used only if you set the <code>Mode</code> parameter to 3 (Veeam Agent for Microsoft Windows periodically backs up transaction logs).</p> <p>Parameter specifies if Veeam Agent for Microsoft Windows must back up transaction logs. Possible values:</p> <ul style="list-style-type: none"> • <code>True</code> – Veeam Agent for Microsoft Windows backs up transaction logs. • <code>False</code> – Veeam Agent for Microsoft Windows does not back up transaction logs. <p>NOTE! If you do not specify the <code>Enabled</code> parameter but set the <code>Mode</code> parameter to 3, transaction log backup will be enabled.</p>
	BackupMinutes	<p>This parameter is used only if you set the <code>Mode</code> parameter to 3 (Veeam Agent for Microsoft Windows periodically backs up transaction logs).</p> <p>Periodicity with which Veeam Agent for Microsoft Windows must back up transaction logs (in minutes). By default, Veeam Agent for Microsoft Windows backs up transaction logs every 15 minutes.</p>

Parent Tag	Parameter	Description
	Expirable	<p>This parameter is used only if you set the <code>Mode</code> parameter to 3 (Veeam Agent for Microsoft Windows periodically backs up transaction logs).</p> <p>Retention policy settings for backed up transaction logs. Possible values:</p> <ul style="list-style-type: none"> • True – transaction log backups are removed from the backup target after <N> days. Together with this parameter, you must specify retention policy settings in the <code>ExpireDays</code> parameter. • False – transaction log backups are removed from the backup target together with the parent backup (when the parent backup becomes outdated and is removed from the primary backup chain).
	ExpireDays	<p>This parameter is used only if you set the <code>Mode</code> parameter to 3 (Veeam Agent for Microsoft Windows periodically backs up transaction logs) and set the <code>Expirable</code> parameter to <code>True</code> (delete transaction log backups after <N> days).</p> <p>Retention policy settings for transaction log backups (in days). By default, Veeam Agent for Microsoft Windows removes from the backup target transaction log backups that are older than 15 days.</p>
Credentials		<p>This tag is used only if you want to use impersonation and connect to the Microsoft SQL Server under the database administrator account.</p> <p>Parent tag that encapsulates information about credentials of a database administrator account.</p>
	UserName	<p>This parameter is used only if you want to use impersonation and connect to the Microsoft SQL Server under the database administrator account.</p> <p>User name of the database administrator account. The user name is specified as a text string encoded in the Base64 format.</p>
	Password	<p>This parameter is used only if you want to use impersonation and connect to the Microsoft SQL Server under the database administrator account.</p> <p>Password of the database administrator account. The password is encrypted. For more information, see Encryption of User Credentials.</p>

Oracle Settings

Parent Tag	Parameter	Description
Oracle		Parent tag that encapsulates information about transaction logs settings for Oracle.
	Mode	<p>Parameter describes how Veeam Agent for Microsoft Windows processes transaction logs for Oracle. Possible values:</p> <ul style="list-style-type: none"> • 0 – Veeam Agent for Microsoft Windows does not truncate transaction logs. • 1 – Veeam Agent for Microsoft Windows truncates transaction logs that are older than <N> hours. If you set the <code>Mode</code> parameter to 1, you must specify the <code>LifetimeHours</code> parameter. • 2 – Veeam Agent for Microsoft Windows truncates transaction logs whose size is over <N> GB. If you set the <code>Mode</code> parameter to 2, you must specify the <code>SizeGB</code> parameter.
	AccountType	<p>This parameter is used only if you want Veeam Agent for Microsoft Windows to connect to an Oracle database under a specific account.</p> <p>Type of account you want to use. Possible values:</p> <ul style="list-style-type: none"> • 0 – Oracle account • 1 – Microsoft Windows account <p>Together with the <code>AccountType</code> parameter, you must specify <code>UserName</code> and <code>Password</code> parameters in the <code>Credentials</code> tag.</p>
	LifetimeHours	<p>This parameter is used if you set the <code>Oracle</code> parameter to 1 (Veeam Agent for Microsoft Windows truncates transaction logs that are older than <N> hours).</p> <p>Age of transaction logs that must be truncated (in hours). By default, Veeam Agent for Microsoft Windows truncates transaction logs that are older than 24 hours.</p>
	SizeGB	<p>This parameter is used if you set the <code>Oracle</code> parameter to 2 (Veeam Agent for Microsoft Windows truncates transaction logs whose size is over <N> GB).</p> <p>Size of transaction logs that must be truncated (in GB). By default, Veeam Agent for Microsoft Windows truncates transaction logs whose size is over 10 GB.</p>

Parent Tag	Parameter	Description
Backup		Parent tag that encapsulates information about transaction logs backup settings for Oracle.
	Enabled	Parameter specifies if Veeam Agent for Microsoft Windows must back up transaction logs. Possible values: <ul style="list-style-type: none"> • True – Veeam Agent for Microsoft Windows backs up transaction logs. • False – Veeam Agent for Microsoft Windows does not back up transaction logs.
	BackupMinutes	Periodicity with which Veeam Agent for Microsoft Windows must back up transaction logs (in minutes). By default, Veeam Agent for Microsoft Windows backs up transaction logs every 15 minutes.
	Expirable	Retention policy settings for backed up transaction logs. Possible values: <ul style="list-style-type: none"> • True – transaction log backups are removed from the backup target after <N> days. Together with this parameter, you must specify retention policy settings in the <code>ExpireDays</code> parameter. • False – transaction log backups are removed from the backup target together with the parent backup (when the parent backup becomes outdated and is removed from the primary backup chain).
	ExpireDays	This parameter is used only if you set the <code>Expirable</code> parameter to True (delete transaction log backups after <N> days). Retention policy settings for transaction log backups (in days). By default, Veeam Agent for Microsoft Windows removes transaction log backups that are older than 15 days from the backup target.
Credentials		This tag is used only if you want Veeam Agent for Microsoft Windows to connect to an Oracle database under a specific account. Parent tag that encapsulates information about credentials of the account used to connect to the Oracle database.

Parent Tag	Parameter	Description
	UserName	<p>This parameter is used only if you want Veeam Agent for Microsoft Windows to connect to an Oracle database under a specific account.</p> <p>User name of the account under which Veeam Agent for Microsoft Windows must connect to the Oracle database. The user name is specified as a text string encoded in the Base64 format.</p>
	Password	<p>This parameter is used only if you want Veeam Agent for Microsoft Windows to connect to an Oracle database under a specific account.</p> <p>Password of the account under which Veeam Agent for Microsoft Windows must connect to the Oracle database. The password is encrypted. For more information, see Encryption of User Credentials.</p>

Microsoft SharePoint Settings

Parent Tag	Parameter	Description
SharePoint		Parent tag that encapsulates information about settings for Microsoft SharePoint Server.
Credentials		Parent tag that encapsulates information about credentials of the account used to connect to Microsoft SharePoint Server.
	UserName	User name of the account used to connect to Microsoft SharePoint Server. The user name is specified as a text string encoded in the Base64 format.
	Password	Password of the account used to connect to Microsoft SharePoint Server. The password is encrypted. For more information, see Encryption of User Credentials .

Custom Script Settings

Parent Tag	Parameter	Description
Script		Parent tag that encapsulates information about custom script settings.

Parent Tag	Parameter	Description
	Mode	<p>Parameter describes if Veeam Agent for Microsoft Windows must run custom scripts and how it must process script execution results. Possible values:</p> <ul style="list-style-type: none"> • 0 – script execution is disabled. • 1 – Veeam Agent for Microsoft Windows runs scripts and ignores script failures. • 2 – Veeam Agent for Microsoft Windows requires that scripts are executed successfully. <p>If you set the <code>Mode</code> parameter to 1 or 2, you must specify the <code>PreFreezePath</code> or <code>PostThawPath</code> parameters.</p>
	PreFreezePath	<p>This parameter is used if you set the <code>Mode</code> parameter to 1 or 2 (run a pre-freeze script).</p> <p>Path to a pre-freeze script, for example: <code>C:\scripts\pre-freeze.cmd</code>.</p>
	PostThawPath	<p>This parameter is used if you set the <code>Mode</code> parameter to 1 or 2 (run a post-thaw script).</p> <p>Path to a post-thaw script, for example: <code>C:\scripts\pre-freeze.cmd</code>.</p>
Credentials		<p>This tag is used only if you need to run custom scripts under a specific account, for example, an account that has Administrator permissions.</p> <p>Parent tag that encapsulates information about credentials of the account used to run custom scripts.</p>
	UserName	<p>This parameter is used only if you need to run custom scripts under a specific account.</p> <p>User name of the account under which custom scripts must be run. The user name is specified as a text string encoded in the Base64 format.</p>
	Password	<p>This parameter is used only if you need to run custom scripts under a specific account.</p> <p>Password of the account under which custom scripts must be run. The password is encrypted. For more information, see Encryption of User Credentials.</p>

File Indexing

Parent Tag	Parameter	Description
Indexing		Parent tag that encapsulates information about file indexing settings.
	Type	Indexing mode. Possible values: <ul style="list-style-type: none"> • 1 – Veeam Agent for Microsoft Windows indexes all files and folders included in the backup scope. • 2 – Veeam Agent for Microsoft Windows indexes the content of folders included in the indexing scope. • 3 – Veeam Agent for Microsoft Windows does not index the content of folders excluded from the indexing scope.
	Enabled	Parameter specifies if Veeam Agent for Microsoft Windows must index files and folders. Possible values: <ul style="list-style-type: none"> • True – Veeam Agent for Microsoft Windows indexes files and folders. • False – Veeam Agent for Microsoft Windows does not index files and folders.
IncludedFolders		This tag is used only if the <code>Indexing</code> parameter is set to 1 (Veeam Agent for Microsoft Windows indexes the content of folders included in the indexing scope). Parent tag that encapsulates information about folders included in the indexing scope.
	String value	This parameter is used only if the <code>Indexing</code> parameter is set to 1 (Veeam Agent for Microsoft Windows indexes the content of folders included in the indexing scope). Paths to folders whose content must be indexed, for example, <code>C:\Documents</code> .
ExcludedFolders		This tag is used only if the <code>Indexing</code> parameter is set to 2 (Veeam Agent for Microsoft Windows does not index the content of folders excluded from the indexing scope). Parent tag that encapsulates information about folders excluded from the indexing scope.

Parent Tag	Parameter	Description
	String value	<p>This parameter is used only if the <code>Indexing</code> parameter is set to 2 (Veeam Agent for Microsoft Windows does not index the content of folders excluded from the indexing scope).</p> <p>Paths to folders whose content must not be indexed, for example, <code>%TEMP%, %ProgramFiles%</code>. You can use system environmental variables in this parameter.</p>

Example 1

You want the backup job to back up Microsoft SQL Server transaction logs every 15 minutes and retain transaction log backups in the backup target for 20 days. The input XML file will contain the following parameters:

```
<ExecutionResult>
  <JobInfo ConfigId="f5bb9cd2-9b7d-4bb3-9c72-435cec24420c" JobName="Backup Job">
    <GuestInfo>
      <Applications ProcessTransactionLogs="True">
        <Sql Mode="3">
          <Backup Enabled="True" ExpireDays="20" BackupMinutes="15" Expirable="T
true"/>
        </Sql>
      </Applications>
    </GuestInfo>
  </JobInfo>
</ExecutionResult>
```

Example 2

You want the backup job to index files in `D:\Folder1` and `D:\Folder2` folders. The input XML file will contain the following parameters:

```
<ExecutionResult>
  <JobInfo ConfigId="f5bb9cd2-9b7d-4bb3-9c72-435cec24420c" JobName="Backup Job">
    <GuestInfo>
      <Indexing Type="2">
        <IncludedFolders>
          <String value="D:\Folder1"/>
          <String value="D:\Folder2"/>
        </IncludedFolders>
      </Indexing>
    </GuestInfo>
  </JobInfo>
</ExecutionResult>
```

Example 3

You want the backup job to run `pre-freeze.cmd` and `post-thaw.cmd` scripts, and want to ignore script errors. The input XML file will contain the following parameters:

```
<ExecutionResult>
  <JobInfo ConfigId="f5bb9cd2-9b7d-4bb3-9c72-435cec24420c" JobName="Backup Job">
    <GuestInfo>
      <Applications ProcessTransactionLogs="True" Enabled="True">
        <Script Mode="1" PostThawPath="C:\scripts\post-thaw.cmd" PreFreezePath="
C:\scripts\pre-freeze.cmd"/>
      </Applications>
    </GuestInfo>
  </JobInfo>
</ExecutionResult>
```

Scheduling Settings

This section describes scheduling settings of the backup job.

- [Desktop scheduling settings](#). This section describes scheduling settings of the backup job in the Free and Workstation editions of Veeam Agent for Microsoft Windows.
- [Server scheduling settings](#). This section describes scheduling settings of the backup job in the Server edition of Veeam Agent for Microsoft Windows.
- [Synthetic full backup settings](#). This section describes synthetic full backup settings.
Synthetic full backup functionality is available in the Workstation and Server editions of Veeam Agent for Microsoft Windows.

Desktop Scheduling Settings

This section describes scheduling settings of the backup job in the Free and Workstation editions of Veeam Agent for Microsoft Windows.

- [General settings](#)
- [Daily scheduling settings](#)
- [Health check settings](#)
- [Backup file compact settings](#)

General Settings

Parent Tag	Parameter	Description
ScheduleInfo		Parent tag that encapsulates information about scheduling settings.
	CompletionMode	Action that is performed when the backup job is complete. Possible values: <ul style="list-style-type: none">• 0 – computer remains running.• 1 – machine is brought to the Hibernate mode. This option can be used if the Hibernate mode is enabled on the machine. If the Hibernate mode is disabled, Veeam Agent Configurator will set the <code>CompletionMode</code> value to 0 (Keep running).• 2 – machine is brought to the Standby mode.• 3 – machine is shut down.

Parent Tag	Parameter	Description
	AtStorageAttach	<p>Parameter describes if the backup job must start when the backup target is connected to the computer – external target disk is attached, shared folder becomes accessible and so on. Possible values:</p> <ul style="list-style-type: none"> • True – backup job is started at storage attach. • False – backup job is not started at storage attach.
	ResumeMissedBackup	<p>Parameter describes what actions Veeam Agent for Microsoft Windows must perform if the machine was powered off when backup was scheduled, and the backup was missed. Possible values:</p> <ul style="list-style-type: none"> • True – Veeam Agent for Microsoft Windows must run the backup job when the computer is powered on. • False – Veeam Agent for Microsoft Windows must not run the backup job when the computer is powered on.
	AtLock	<p>Parameter describes if the backup job must start when the user locks the computer. Possible values:</p> <ul style="list-style-type: none"> • True – backup job starts when the user locks the computer. • False – backup job does not start when the user locks the computer.
	AtLogOff	<p>Parameter describes if the backup job must start when the user performs the logoff operation. Possible values:</p> <ul style="list-style-type: none"> • True – backup job starts when the user logs off the computer. • False – backup job does not start when the user logs off the computer.

Parent Tag	Parameter	Description
	EjectRemovableStorageOnceBackupsCompleted	<p>Parameter describes if Veeam Agent for Microsoft Windows must eject the removable storage (backup target) when the backup job session completes. Possible values:</p> <ul style="list-style-type: none"> • True – Veeam Agent for Microsoft Windows ejects the removable storage. • False – Veeam Agent for Microsoft Windows does not eject the removable storage. <p>IMPORTANT! You must explicitly define a value in the <code>EjectRemovableStorageOnceBackupIsCompleted</code> parameter. If you do not specify it explicitly, Veeam Agent Configurator will set the parameter value to False (even if the Eject removable storage once backup is completed option is enabled for the job in the UI).</p>
	LimitBackupsFrequency	<p>Parameter limiting the frequency of backup job sessions in the specified interval. Possible values:</p> <ul style="list-style-type: none"> • True – frequency of backup job sessions is limited. • False – frequency of backup job sessions is not limited.
	MaxBackupsFrequency	<p>This parameter is used only if you have selected to limit the frequency of backup job sessions.</p> <p>Time interval (in minutes, hours or days) during which a new backup job session must not be started, for example, 30.</p>
	FrequencyTimeUnit	<p>This parameter is used only if you have selected to limit the frequency of backup job sessions.</p> <p>Units of time for the time interval limiting the frequency of backup job sessions.</p> <p>Possible values:</p> <ul style="list-style-type: none"> • 0 – minutes • 1 – hours • 2 – days

Daily Scheduling Settings

Parent Tag	Parameter	Description
DailyInfo		Parent tag that encapsulates information about daily scheduling settings.
	Kind	Days of week on which the backup job must run. Possible values: <ul style="list-style-type: none"> • 0 – backup job runs every day. • 1 – backup job runs on week days (all days of the week except Saturday and Sunday). • 2 – backup job runs on specific days. If you set the Kind parameter to 2, you must list days on which you want to run the backup job in the Days parameter.
	Days	This parameter is used only if you set the Kind parameter to 2. List of days on which you want to run the backup job. Possible values: <ul style="list-style-type: none"> • Sunday • Monday • Tuesday • Wednesday • Thursday • Friday • Saturday Entries in the list are separated with a comma followed by a space (,), for example: Days="Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday".
	Time	Time at which the backup job must start. The time is specified in the following format: mm/dd/yyyy hh:mm:ss. Note: Veeam Agent Configurator ignores the date part and uses the time part only.

Health Check Settings

Parent Tag	Parameter	Description
HealthCheck		Parent tag that encapsulates information about health checks of the latest restore point in the backup chain.

Parent Tag	Parameter	Description
	Enabled	<p>Parameter specifies if Veeam Agent for Microsoft Windows must perform health checks of the latest restore point in the backup chain. Possible values:</p> <ul style="list-style-type: none"> • True – Veeam Agent for Microsoft Windows performs health checks. • False – Veeam Agent for Microsoft Windows does not perform health checks.
DailyInfo		<p>This parameter is used if you want to perform health checks on specific days of week.</p> <p>Parent tag that encapsulates information about daily settings for health checks.</p>
	Days	<p>This parameter is used if you want to health checks on specific days of week.</p> <p>List of days on which Veeam Agent for Microsoft Windows must perform health checks of the latest restore point in the backup chain. Possible values:</p> <ul style="list-style-type: none"> • Sunday • Monday • Tuesday • Wednesday • Thursday • Friday • Saturday <p>Entries in the list are separated with a comma followed by a space (,), for example: <code>Days="Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday"</code>.</p>
MonthlyInfo		<p>This parameter is used if you want to perform health checks on a specific day every month.</p> <p>Parent tag that encapsulates information about monthly settings for health checks.</p>

Parent Tag	Parameter	Description
	Months	<p>This parameter is used if you want to perform health checks on a specific day every month.</p> <p>List of months on which Veeam Agent for Microsoft Windows must perform health checks of the latest restore point in the backup chain. Possible values:</p> <ul style="list-style-type: none"> • January • February • March • April • May • June • July • August • September • October • November • December <p>Entries in the list are separated with a comma followed by a space (,), for example: <code>Months="January, February, March, April, May, June, July, August, September, October, November, December"</code>.</p>
	DayOfWeek	<p>This parameter is used if you want to perform health checks on a specific day every month.</p> <p>Day on which Veeam Agent for Microsoft Windows must perform health checks of the latest restore point in the backup chain. Possible values:</p> <ul style="list-style-type: none"> • 0 – Sunday • 1 – Monday • 2 – Tuesday • 3 – Wednesday • 4 – Thursday • 5 – Friday • 6 – Saturday

Parent Tag	Parameter	Description
	Week	<p>This parameter is used if you want to perform health checks on a specific day every month.</p> <p>Numerical order of week on which Veeam Agent for Microsoft Windows must perform health checks of the latest restore point in the backup chain. Possible values:</p> <ul style="list-style-type: none"> • 1 – first week of month • 2 – second week of month • 3 – third week of month • 4 – fourth week of month • 5 – last week of month

Health Check Options Settings

Parent Tag	Parameter	Description
HealthCheckOptions		Parent tag that encapsulates information about health check options.
	EnableSimpleObjectStorageRecheck	<p>[For Workstation edition, for object storage] Parameter specifies if the special health check mechanism for object storage is enabled.</p> <ul style="list-style-type: none"> • True – Health check for object storage option is enabled. • False – Standard health check option is enabled.

Backup File Compact Settings

Parent Tag	Parameter	Description
Compact		Parent tag that encapsulates information about defragment and compact operations of the full backup file.
	Enabled	<p>Parameter specifies if Veeam Agent for Microsoft Windows must perform defragment and compact operations of the full backup file. Possible values:</p> <ul style="list-style-type: none"> • True – Veeam Agent for Microsoft Windows performs defragment and compact operations. • False – Veeam Agent for Microsoft Windows does not perform defragment and compact operations.

Parent Tag	Parameter	Description
DailyInfo		<p>This parameter is used if you want to perform defragment and compact operations on specific days of week.</p> <p>Parent tag that encapsulates information about daily settings for defragment and compact operations.</p>
	Days	<p>This parameter is used if you want to perform defragment and compact operations on specific days of week.</p> <p>List of days on which Veeam Agent for Microsoft Windows must perform defragment and compact operations. Possible values:</p> <ul style="list-style-type: none"> • Sunday • Monday • Tuesday • Wednesday • Thursday • Friday • Saturday <p>Entries in the list are separated with a comma followed by a space (,), for example: <code>Days="Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday"</code>.</p>
MonthlyInfo		<p>This parameter is used if you want to perform defragment and compact operations on a specific day every month.</p> <p>Parent tag that encapsulates information about monthly settings for defragment and compact operations.</p>

Parent Tag	Parameter	Description
	Months	<p>This parameter is used if you want to perform defragment and compact operations on a specific day every month.</p> <p>List of months on which Veeam Agent for Microsoft Windows must perform defragment and compact operations. Possible values:</p> <ul style="list-style-type: none"> • January • February • March • April • May • June • July • August • September • October • November • December <p>Entries in the list are separated with a comma followed by a space (,), for example: <code>Months="January, February, March, April, May, June, July, August, September, October, November, December"</code>.</p>
	DayOfWeek	<p>This parameter is used if you want to perform defragment and compact operations on a specific day every month.</p> <p>Day on which Veeam Agent for Microsoft Windows must perform defragment and compact operations. Possible values:</p> <ul style="list-style-type: none"> • 0 – Sunday • 1 – Monday • 2 – Tuesday • 3 – Wednesday • 4 – Thursday • 5 – Friday • 6 – Saturday

Parent Tag	Parameter	Description
	Week	<p>This parameter is used if you want to perform defragment and compact operations on a specific day every month.</p> <p>Numerical order of week on which Veeam Agent for Microsoft Windows must perform defragment and compact operations. Possible values:</p> <ul style="list-style-type: none"> • 1 – first week of month • 2 – second week of month • 3 – third week of month • 4 – fourth week of month • 5 – last week of month

Example

You want to enable backup on the following events: user logout and computer lock. The input XML file will contain the following parameters:

```
<ExecutionResult>
  <JobInfo ConfigId="f5bb9cd2-9b7d-4bb3-9c72-435cec24420c" JobName="Backup Job">
    <ScheduleInfo AtLock="True" AtLogOff="True"/>
  </JobInfo>
</ExecutionResult>
```

Server Scheduling Settings

This section describes scheduling settings of the backup job in the Server edition of Veeam Agent for Microsoft Windows.

- [General settings](#)
- [Daily scheduling settings](#)
- [Monthly scheduling settings](#)
- [Periodical scheduling settings](#)
- [Continuous scheduling settings](#)
- [Active full backup settings](#)
- [Health check settings](#)
- [Backup file compact settings](#)
- [Job retry settings](#)
- [Backup window settings](#)

General Settings

Parent Tag	Parameter	Description
ScheduleInfo		Parent tag that encapsulates information about scheduling settings.
	RunManually	Parameter specifies if the backup job must be run manually or started automatically by schedule. Possible values: <ul style="list-style-type: none"> • True – backup job schedule is disabled. The job must be started manually. • False – backup job schedule is enabled.
	Type	Type of job schedule. Possible values: <ul style="list-style-type: none"> • 1 – backup job runs on specific days. If you set the <code>Type</code> parameter value to 1, you must specify daily scheduling settings. • 2 – backup job runs on a specific day every month. If you set the <code>Type</code> parameter value to 2, you must specify monthly scheduling settings. • 3 – backup job is started with some periodicity. If you set the <code>Type</code> parameter value to 3, you must specify periodical scheduling settings. • 4 – backup job is run continuously. If you set the <code>Type</code> parameter value to 4, you must specify continuous scheduling settings.
	UseBackupWindow	Parameter describes if the backup window is set for the backup job. Possible values: <ul style="list-style-type: none"> • True – backup window is enabled. • False – backup window is disabled. <p>If you set this parameter to <code>True</code>, you must specify backup window settings.</p>

Parent Tag	Parameter	Description
	CompletionMode	<p>Action that is performed when the backup job is complete. Possible values:</p> <ul style="list-style-type: none"> • 0 – computer remains running. • 1 – machine is brought to the Hibernate mode. This option can be used if the Hibernate mode is enabled on the machine. If the Hibernate mode is disabled, Veeam Agent Configurator will set the <code>CompletionMode</code> value to 0 (Keep running). • 2 – machine is brought to the Standby mode. • 3 – machine is shut down.
	AtStorageAttach	<p>Parameter describes if the backup job must start when the backup target is connected to the computer – external target disk is attached, shared folder becomes accessible and so on. Possible values:</p> <ul style="list-style-type: none"> • True – backup job is started at storage attach. • False – backup job is not started at storage attach.
	ResumeMissedBackup	<p>Parameter describes what actions Veeam Agent for Microsoft Windows must perform if the machine was powered off when backup was scheduled, and the backup was missed. Possible values:</p> <ul style="list-style-type: none"> • True – Veeam Agent for Microsoft Windows must run the backup job when the computer is powered on. • False – Veeam Agent for Microsoft Windows must not run the backup job when the computer is powered on.
	AtLock	<p>Parameter describes if the backup job must start when the user locks the computer. Possible values:</p> <ul style="list-style-type: none"> • True – backup job starts when the user locks the computer. • False – backup job does not start when the user locks the computer.
	AtLogOff	<p>Parameter describes if the backup job must start when the user performs the logoff operation. Possible values:</p> <ul style="list-style-type: none"> • True – backup job starts when the user logs off the computer. • False – backup job does not start when the user logs off the computer.

Parent Tag	Parameter	Description
	EjectRemovableStorageOnceBackupsIsCompleted	<p>Parameter describes if Veeam Agent for Microsoft Windows must eject the removable storage (backup target) when the backup job session completes. Possible values:</p> <ul style="list-style-type: none"> • True – Veeam Agent for Microsoft Windows ejects the removable storage. • False – Veeam Agent for Microsoft Windows does not eject the removable storage. <p>IMPORTANT! You must explicitly define a value in the <code>EjectRemovableStorageOnceBackupIsCompleted</code> parameter. If you do not specify it explicitly, Veeam Agent Configurator will set the parameter value to False (even if the Eject removable storage once backup is completed option is enabled for the job in the UI).</p>
	LimitBackupsFrequency	<p>Parameter limiting the frequency of backup job sessions in the specified interval. Possible values:</p> <ul style="list-style-type: none"> • True – frequency of backup job sessions is limited. • False – frequency of backup job sessions is not limited.
	MaxBackupsFrequency	<p>This parameter is used only if you have selected to limit the frequency of backup job sessions.</p> <p>Time interval (in minutes, hours or days) during which a new backup job session must not be started, for example, 30.</p>
	FrequencyTimeUnit	<p>This parameter is used only if you have selected to limit the frequency of backup job sessions.</p> <p>Units of time for the time interval limiting the frequency of backup job sessions.</p> <p>Possible values:</p> <ul style="list-style-type: none"> • 0 – minutes • 1 – hours • 2 – days

Daily Scheduling Settings

Parent Tag	Parameter	Description
DailyInfo		Parent tag that encapsulates information about daily scheduling settings.

Parent Tag	Parameter	Description
	Kind	<p>Days of week on which the backup job must run. Possible values:</p> <ul style="list-style-type: none"> • 0 – backup job runs every day. • 1 – backup job runs on week days (all days of the week except Saturday and Sunday). • 2 – backup job runs on specific days. If you set the <code>Kind</code> parameter value to 2, you must list days on which you want to run the backup job in the <code>Days</code> parameter.
	Days	<p>This parameter is used only if you set the <code>Kind</code> parameter value to 2.</p> <p>List of days on which you want to run the backup job. Possible values:</p> <ul style="list-style-type: none"> • Sunday • Monday • Tuesday • Wednesday • Thursday • Friday • Saturday <p>Entries in the list are separated with a comma followed by a space (,), for example: <code>Days="Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday"</code>.</p>
	Time	<p>Time at which the backup job must start. The time is specified in the following format: <code>hh:mm</code>.</p>

Monthly Scheduling Settings

Parent Tag	Parameter	Description
MonthlyInfo		Parent tag that encapsulates information about monthly scheduling settings.

Parent Tag	Parameter	Description
	Months	<p>List of months on which the backup job must run. Possible values:</p> <ul style="list-style-type: none"> • January • February • March • April • May • June • July • August • September • October • November • December <p>Entries in the list are separated with a comma, for example: Months="January, February, March, April, May, June, July, August, September, October, November, December".</p>
	DayOfWeek	<p>This parameter is used if you want to run the backup job on the Nth day of the Nth week in the month.</p> <p>Day on which the backup job must run. Possible values:</p> <ul style="list-style-type: none"> • 0 – Sunday • 1 – Monday • 2 – Tuesday • 3 – Wednesday • 4 – Thursday • 5 – Friday • 6 – Saturday

Parent Tag	Parameter	Description
	Week	<p>This parameter is used if you want to run the backup job on the Nth day of the Nth week in the month.</p> <p>Numerical order of the week on which you want to run the backup job. Possible values:</p> <ul style="list-style-type: none"> • 1 – first week of month • 2 – second week of month • 3 – third week of month • 4 – fourth week of month • 5 – last week of month • 6 – backup job runs on a specific date within a month <p>If you set the Week parameter value to 6, you must also specify the DayOfMonth parameter value.</p>
	DayOfMonth	<p>This parameter is used if you want to run the backup job on a specific date.</p> <p>Date in a month on which you want to run the backup job. Possible values: 1-30 (or 1-31, depending on the month length) and 32 – the last day of the month. For example, if you want to run the backup job on the 24th of every month, you must set the DayOfMonth parameter to 24; if you want to run the job on the last day of every month, you must set the DayOfMonth parameter to 32;</p>
	Time	<p>Time at which the backup job must start. The time is specified in the following format: <i>hh:mm</i>.</p>

Periodical Scheduling Settings

Parent Tag	Parameter	Description
PeriodicallyInfo		<p>Parent tag that encapsulates information about periodical scheduling settings.</p>
	Time	<p>Periodicity with which the backup job must start. The time interval for periodicity is specified in the following format: <i>hh:mm</i>.</p> <p>For example, if you want to run the backup job every 30 minutes, you must set the Time parameter to 00:30. If you want to run the backup job every 2 hours, you must set the Time parameter to 02:00.</p>

Parent Tag	Parameter	Description
Schedule		Parent tag that encapsulates information about periodic job schedule.
	Minutes	<p>Exact time within an hour when the backup job must start.</p> <p>For example, if you want to run the backup job every hour and start on the 30th minute of the hour, for example, at 1:30 AM, 2:30 AM, 3:30 AM, 4:30 AM and so on, you must set the <code>Time</code> parameter to 001:00 and <code>Minutes</code> parameter to 30.</p>
	Kind	<p>This parameter is used if you specify permitted or prohibited hours for the backup job.</p> <p>Method of setting permitted hours for the backup job. Possible values:</p> <ul style="list-style-type: none"> • 0 – permitted hours for the backup job are specified. • 1 – prohibited hours for the backup job are specified.
Days		<p>This tag is used if you specify permitted or prohibited hours for the backup job.</p> <p>Parent tag that encapsulates information about permitted or prohibited hours for the backup job.</p>
	<Weekday> Intervals	<p>This tag is used if you specify permitted or prohibited hours for the backup job.</p> <p>Intervals of permitted or prohibited hours for the backup job. Intervals of hours are specified for every week day in the following format:</p> <pre><<Weekday> Intervals="10-12, 22-24"/>.</pre> <p>You can specify several intervals separated with a comma followed by a space (,). For example:</p> <pre><Days> <Monday Intervals="06-08, 18-20"/> <Tuesday Intervals="06-08, 18-20, 22-24"/> </Days></pre> <p>NOTE! If there are more prohibited hours intervals than permitted hours intervals, Veeam Agent Configurator will export information about prohibited hours when you run the <code>SaveConfiguration</code> command, and vice versa.</p>

Continuous Scheduling Settings

Parent Tag	Parameter	Description
ContinuouslyInfo		Parent tag that encapsulates information about continuous scheduling settings.
	Schedule	<p>This tag is used if you specify permitted or prohibited hours for the backup job.</p> <p>Parent tag that encapsulates information about permitted and prohibited hours set for the backup job.</p>
	Kind	<p>This parameter is used if you specify permitted and prohibited hours set for the backup job.</p> <p>Method of setting permitted hours for the backup job. Possible values:</p> <ul style="list-style-type: none"> • 0 – permitted hours for the backup job are specified. • 1 – prohibited hours for the backup job are specified.
Days		<p>This tag is used if you specify permitted or prohibited hours for the backup job.</p> <p>Parent tag that encapsulates information about permitted or prohibited hours for the backup job.</p>
	<Weekday> Intervals	<p>This tag is used if you specify permitted or prohibited hours for the backup job.</p> <p>Intervals of permitted or prohibited hours for the backup job. The interval of hours is specified for every week day in the following format:</p> <pre><<Weekday> Intervals="10-12, 22-24"/>.</pre> <p>You can specify several intervals separated with a comma followed by a space (,). For example:</p> <pre><Days> <Monday Intervals="06-08, 18-20"/> <Tuesday Intervals="06-08, 18-20, 22-24"/> </Days></pre> <p>NOTE! If there are more prohibited hours intervals than permitted hours intervals, Veeam Agent Configurator will export information about prohibited hours when you run the <code>SaveConfiguration</code> command, and vice versa.</p>

Active Full Backup Settings

Parent Tag	Parameter	Description
ActiveFull		Parent tag that encapsulates information about active full backups created with the backup job.
	Enabled	Parameter specifies if the backup job must periodically create active full backups. Possible values: <ul style="list-style-type: none"> • True – backup job creates active full backups. • False – backup job does not create active full backups.
	Kind	Mode in which the backup job creates active full backups. Possible values: <ul style="list-style-type: none"> • 0 – backup job creates active full backups on specific days of week. If you set the <code>Kind</code> parameter to 0, you must specify the <code>Days</code> parameter. • 1 – backup job creates active full backups on a specific day every month. If you set the <code>Kind</code> parameter to 1, you must specify <code>Months</code>, <code>DayofWeek</code> and <code>Week</code> parameters.
DailyInfo		This parameter is used if you want to create active full backups on specific days of week. Parent tag that encapsulates information about daily settings for active full backups.
	Days	This parameter is used if you want to create active full backups on specific days of week. List of days on which the backup job must create active full backups. Possible values: <ul style="list-style-type: none"> • Sunday • Monday • Tuesday • Wednesday • Thursday • Friday • Saturday Entries in the list are separated with a comma followed by a space (,), for example: <code>Days="Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday"</code> .

Parent Tag	Parameter	Description
MonthlyInfo		<p>This parameter is used if you want to create active full backups on a specific day every month.</p> <p>Parent tag that encapsulates information about monthly settings for active full backups.</p>
	Months	<p>This parameter is used if you want to create active full backups on a specific day every month.</p> <p>List of months on which the backup job must create active full backups. Possible values:</p> <ul style="list-style-type: none"> • January • February • March • April • May • June • July • August • September • October • November • December <p>Entries in the list are separated with a comma followed by a space (,), for example: <code>Months="January, February, March, April, May, June, July, August, September, October, November, December"</code>.</p>
	DayOfWeek	<p>This parameter is used if you want to create active full backups on a specific day every month.</p> <p>Day on which the backup job must create an active full backup. Possible values:</p> <ul style="list-style-type: none"> • 0 – Sunday • 1 – Monday • 2 – Tuesday • 3 – Wednesday • 4 – Thursday • 5 – Friday • 6 – Saturday

Parent Tag	Parameter	Description
	Week	<p>This parameter is used if you want to create active full backups on a specific day every month.</p> <p>Numerical order of week on which the backup job must create an active full backup. Possible values:</p> <ul style="list-style-type: none"> • 1 – first week of month • 2 – second week of month • 3 – third week of month • 4 – fourth week of month • 5 – last week of month

Health Check Settings

Parent Tag	Parameter	Description
HealthCheck		Parent tag that encapsulates information about health checks of the latest restore point in the backup chain.
	Enabled	<p>Parameter specifies if Veeam Agent for Microsoft Windows must perform health checks of the latest restore point in the backup chain. Possible values:</p> <ul style="list-style-type: none"> • True – Veeam Agent for Microsoft Windows performs health checks. • False – Veeam Agent for Microsoft Windows does not perform health checks.
DailyInfo		<p>This parameter is used if you want to perform health checks on specific days of week.</p> <p>Parent tag that encapsulates information about daily settings for health checks.</p>

Parent Tag	Parameter	Description
	Days	<p>This parameter is used if you want to health checks on specific days of week.</p> <p>List of days on which Veeam Agent for Microsoft Windows must perform health checks of the latest restore point in the backup chain. Possible values:</p> <ul style="list-style-type: none"> • Sunday • Monday • Tuesday • Wednesday • Thursday • Friday • Saturday <p>Entries in the list are separated with a comma followed by a space (,), for example: <code>Days="Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday"</code>.</p>
MonthlyInfo		<p>This parameter is used if you want to perform health checks on a specific day every month.</p> <p>Parent tag that encapsulates information about monthly settings for health checks.</p>

Parent Tag	Parameter	Description
	Months	<p>This parameter is used if you want to perform health checks on a specific day every month.</p> <p>List of months on which Veeam Agent for Microsoft Windows must perform health checks of the latest restore point in the backup chain. Possible values:</p> <ul style="list-style-type: none"> • January • February • March • April • May • June • July • August • September • October • November • December <p>Entries in the list are separated with a comma followed by a space (,), for example: <code>Months="January, February, March, April, May, June, July, August, September, October, November, December"</code>.</p>
	DayOfWeek	<p>This parameter is used if you want to perform health checks on a specific day every month.</p> <p>Day on which Veeam Agent for Microsoft Windows must perform health checks of the latest restore point in the backup chain. Possible values:</p> <ul style="list-style-type: none"> • 0 – Sunday • 1 – Monday • 2 – Tuesday • 3 – Wednesday • 4 – Thursday • 5 – Friday • 6 – Saturday

Parent Tag	Parameter	Description
	Week	<p>This parameter is used if you want to perform health checks on a specific day every month.</p> <p>Numerical order of week on which Veeam Agent for Microsoft Windows must perform health checks of the latest restore point in the backup chain. Possible values:</p> <ul style="list-style-type: none"> • 1 – first week of month • 2 – second week of month • 3 – third week of month • 4 – fourth week of month • 5 – last week of month

Health Check Options Settings

Parent Tag	Parameter	Description
HealthCheckOptions		Parent tag that encapsulates information about health check options.
	EnableSimpleObjectStorageRecheck	<p>[For object storage] Parameter specifies if the special health check mechanism for object storage is enabled.</p> <ul style="list-style-type: none"> • True – Health check for object storage option is enabled. • False – Standard health check option is enabled.

Backup File Compact Settings

Parent Tag	Parameter	Description
Compact		Parent tag that encapsulates information about defragment and compact operations of the full backup file.
	Enabled	<p>Parameter specifies if Veeam Agent for Microsoft Windows must perform defragment and compact operations of the full backup file. Possible values:</p> <ul style="list-style-type: none"> • True – Veeam Agent for Microsoft Windows performs defragment and compact operations. • False – Veeam Agent for Microsoft Windows does not perform defragment and compact operations.

Parent Tag	Parameter	Description
DailyInfo		<p>This parameter is used if you want to perform defragment and compact operations on specific days of week.</p> <p>Parent tag that encapsulates information about daily settings for defragment and compact operations.</p>
	Days	<p>This parameter is used if you want to perform defragment and compact operations on specific days of week.</p> <p>List of days on which Veeam Agent for Microsoft Windows must perform defragment and compact operations. Possible values:</p> <ul style="list-style-type: none"> • Sunday • Monday • Tuesday • Wednesday • Thursday • Friday • Saturday <p>Entries in the list are separated with a comma followed by a space (,), for example: <code>Days="Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday"</code>.</p>
MonthlyInfo		<p>This parameter is used if you want to perform defragment and compact operations on a specific day every month.</p> <p>Parent tag that encapsulates information about monthly settings for defragment and compact operations.</p>

Parent Tag	Parameter	Description
	Months	<p>This parameter is used if you want to perform defragment and compact operations on a specific day every month.</p> <p>List of months on which Veeam Agent for Microsoft Windows must perform defragment and compact operations. Possible values:</p> <ul style="list-style-type: none"> • January • February • March • April • May • June • July • August • September • October • November • December <p>Entries in the list are separated with a comma followed by a space (,), for example: <code>Months="January, February, March, April, May, June, July, August, September, October, November, December"</code>.</p>
	DayOfWeek	<p>This parameter is used if you want to perform defragment and compact operations on a specific day every month.</p> <p>Day on which Veeam Agent for Microsoft Windows must perform defragment and compact operations. Possible values:</p> <ul style="list-style-type: none"> • 0 – Sunday • 1 – Monday • 2 – Tuesday • 3 – Wednesday • 4 – Thursday • 5 – Friday • 6 – Saturday

Parent Tag	Parameter	Description
	Week	<p>This parameter is used if you want to perform defragment and compact operations on a specific day every month.</p> <p>Numerical order of week on which Veeam Agent for Microsoft Windows must perform defragment and compact operations. Possible values:</p> <ul style="list-style-type: none"> • 1 – first week of month • 2 – second week of month • 3 – third week of month • 4 – fourth week of month • 5 – last week of month

Job Retry Settings

Parent Tag	Parameter	Description
RetryInfo		Parent tag that encapsulates information about job retry settings.
	Enabled	<p>Parameter specifies if Veeam Agent for Microsoft Windows must automatically retry the backup job if the job fails. Possible values:</p> <ul style="list-style-type: none"> • True – Veeam Agent for Microsoft Windows retries the backup job. If you set the <code>Enabled</code> parameter to True, you must specify the number of times for which Veeam Agent for Microsoft Windows must retry the job, and time interval between job retries. • False – Veeam Agent for Microsoft Windows does not retry the backup job.
	Times	Number of times for which Veeam Agent for Microsoft Windows must retry a backup job. By default, Veeam Agent for Microsoft Windows retries the backup job 3 times.
	TimeoutMinutes	<p>Time interval between job retries in minutes. By default, the time interval is 10 minutes.</p> <p>NOTE! the <code>TimeoutMinutes</code> parameter is not applicable if the backup job runs continuously. In this case, Veeam Agent for Microsoft Windows will retry the job without any time intervals.</p>

Backup Window Settings

Parent Tag	Parameter	Description
BackupWindow		<p>Parent tag that encapsulates information about the backup window set for the job.</p> <p>If the backup job exceeds the specified window, the job will be terminated.</p>
	Kind	<p>Method of setting the backup window. Possible values:</p> <ul style="list-style-type: none"> • 0 – permitted hours for the backup window are specified. • 1 – prohibited hours for the backup window are specified.
Days		<p>Parent tag that encapsulates information about the backup window for the backup job.</p>
	<Weekday> Intervals	<p>Intervals of permitted or prohibited hours for the backup job. The interval of hours is specified for every week day in the following format:</p> <pre><Monday Intervals="10-12, 22-24"/>.</pre> <p>You can specify several intervals separated with a comma followed by space (,). For example:</p> <pre><Days> <Monday Intervals="06-08, 18-20"/> <Tuesday Intervals="06-08, 18-20, 22-24"/> </Days></pre> <p>NOTE! If there are more prohibited hours intervals than permitted hours intervals, Veeam Agent Configurator will export information about prohibited hours when you run the <code>SaveConfiguration</code> command, and vice versa.</p>

Example 1

You want to run the backup job continuously with the following schedule:

- At weekend, the backup job can start any time.
- On week days, the backup job must not start between 6:00 AM to 6:00 PM.

The input XML file will contain the following parameters:

```
<ExecutionResult>
  <JobInfo ConfigId="f5bb9cd2-9b7d-4bb3-9c72-435cec24420c" JobName="Backup Job">
    <ScheduleInfo Type="4" RunManually="False">
      <ContinuouslyInfo>
        <Schedule Kind="1">
          <Days>
            <Monday Intervals="06-18"/>
            <Tuesday Intervals="06-18"/>
            <Wednesday Intervals="06-18"/>
            <Thursday Intervals="06-18"/>
            <Friday Intervals="06-18"/>
          </Days>
        </Schedule>
      </ContinuouslyInfo>
    </ScheduleInfo>
  </JobInfo>
</ExecutionResult>
```

Example 2

You want to run the backup job daily at 12:00 AM, and set up the following backup window for the job:

- At weekend, the backup job can run any time.
- On Monday through Thursday, the backup job must not run between 6:00 AM to 6:00 PM.
- On Friday, the backup job must not run between 6:00 AM and 4:00 PM.

The input XML file will contain the following parameters:

```
<ExecutionResult>
  <JobInfo ConfigId="f5bb9cd2-9b7d-4bb3-9c72-435cec24420c" JobName="Backup Job">
    <ScheduleInfo Type="1" UseBackupWindow="True" RunManually="False">
      <DailyInfo Kind="0" Days="Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday" Time="00:00:00"/>
      <BackupWindow Kind="1">
        <Days>
          <Monday Intervals="06-18"/>
          <Tuesday Intervals="06-18"/>
          <Wednesday Intervals="06-18"/>
          <Thursday Intervals="06-18"/>
          <Friday Intervals="06-16"/>
        </Days>
      </BackupWindow>
    </ScheduleInfo>
  </JobInfo>
</ExecutionResult>
```

Synthetic Full Backup Settings

This section describes synthetic full backup settings.

Synthetic full backup functionality is available in the Workstation and Server editions of Veeam Agent for Microsoft Windows.

Parent Tag	Parameter	Description
SyntheticFull		Parent tag that encapsulates information about synthetic full backups created with the backup job.
	Enabled	Parameter specifies if the backup job must periodically create synthetic full backups. Possible values: <ul style="list-style-type: none"> • True – backup job creates synthetic full backups. • False – backup job does not create synthetic full backups.
	Days	List of days on which the backup job must create synthetic full backups. Possible values: <ul style="list-style-type: none"> • Sunday • Monday • Tuesday • Wednesday • Thursday • Friday • Saturday <p>Entries in the list are separated with a comma followed by a space (,), for example: Days="Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday".</p>

Example

You want to perform synthetic full backup on Wednesdays and Fridays. The input XML file will contain the following parameters:

```
<ExecutionResult>
  <JobInfo ConfigId="r5bq9cd2-6c7z-4qq3-76a2-435asa26420a" JobName="Backup Job">
    <SyntheticFull Enabled="True" Days="Wednesday, Friday"/>
  </JobInfo>
</ExecutionResult>
```

Application Parameters

The `ApplicationSettings` section in the XML file contains Veeam Agent for Microsoft Windows application settings.

```
<ExecutionResult>
  <ApplicationSettings CryptId='00000000-0000-0000-0000-000000000000' CryptType='10' DisableControlPanelNotification='False' DisableScheduledBackups='False' DisableWakeUpTimers='False' EnableUserFlr='False' LastCheckForUpdates='01/14/2019 02:30:17' LockDownMode='False' LogoText='Veeam Agent' ServiceProviderMode='False' ShowBackupDuration='False' ThrottleBackupActivity='True'>
    <Throttling DisableBackupOverMeteredConnection='True' LimitBandwidth='False' RestrictVPNConnections='False' RestrictWiFiNetworks='False' SpeedLimit='1' SpeedUnit='2' />
  </ApplicationSettings>
</ExecutionResult>
```

For application settings configuration, the following parameters can be used in the input XML file:

- [General settings](#)
- [Notification settings](#)
- [Throttling Settings](#)

General Settings

Parent Tag	Parameter	Description
ApplicationSettings		Parent tag that encapsulates information about application settings of Veeam Agent for Microsoft Windows.
	LogoText	Text displayed at the top left corner of the Control Panel of Veeam Agent for Microsoft Windows. By default, the <i>'Veeam Agent'</i> text is displayed.
	ServiceProviderMode	Parameter describes if the Managed mode must be enabled. Possible values: <ul style="list-style-type: none">• True – Managed mode is enabled.• False – Managed mode is disabled.
	LockDownMode	Parameter describes if the LockDown mode must be enabled. Possible values: <ul style="list-style-type: none">• True – LockDown mode is enabled.• False – LockDown mode is disabled.

Parent Tag	Parameter	Description
	ShowBackupDuration	<p>Parameter switches the mode of displaying the backup statistics in the Control Panel of Veeam Agent for Microsoft Windows. Possible values:</p> <ul style="list-style-type: none"> • True – Veeam Agent for Microsoft Windows displays backup duration. • False – Veeam Agent for Microsoft Windows displays backup size.
	ThrottleBackupActivity	<p>Parameter specifies if Veeam Agent for Microsoft Windows activities must be throttled during backup. Possible values:</p> <ul style="list-style-type: none"> • True – backup activities are throttled. • False – backup activities are not throttled.
	DisableControlPanelNotification	<p>Parameter specifies if Veeam Agent for Microsoft Windows notifications displayed on the notification bar must be disabled. Possible values:</p> <ul style="list-style-type: none"> • True – notifications are disabled. • False – notifications are enabled.
	DisableScheduledBackups	<p>Parameter describes if the scheduled backup job sessions must be disabled. Possible values:</p> <ul style="list-style-type: none"> • True – scheduled backup job sessions are disabled. • False – scheduled backup job sessions are enabled.
	DisableWakeupTimers	<p>Parameter describes if Veeam Agent for Microsoft Windows must automatically wake your computer from sleep when the backup job must start. Possible values:</p> <ul style="list-style-type: none"> • True – Veeam Agent for Microsoft Windows wakes the computer. • False – Veeam Agent for Microsoft Windows does not wake the computer.
	CheckUpdates	<p>Parameter describes if Veeam Agent for Microsoft Windows must automatically check for product updates. Possible values:</p> <ul style="list-style-type: none"> • True – Veeam Agent for Microsoft Windows checks for updates. • False – Veeam Agent for Microsoft Windows does not check for updates.
	LastCheckForUpdates	<p>This parameter is available in the output XML file only.</p> <p>Date and time of the last check for application updates.</p>

Parent Tag	Parameter	Description
	CryptType	This parameter is used if you configure email notifications settings, and the SMTP server requires authentication. Encryption method used to encrypt the user password. For more information, see Encryption of User Credentials .
	CryptID	Required only for ProtectedDataCurrentUser and ProtectedDataLocalMachine encryption methods. GUID based on which a pair of asymmetric keys is generated (string of 32 characters with 4dashes, for example: 12345678-1234-1234-1234-123456789012) .

Notification Settings

Parent Tag	Parameter	Description
EmailReport		Parent tag that encapsulates information about email notification settings in Veeam Agent for Microsoft Windows.
	Notification	Parameter describes if email notifications are enabled in Veeam Agent for Microsoft Windows. Possible values: <ul style="list-style-type: none"> • True – email notifications are enabled. • False – email notifications are disabled.
Header		Parent tag that encapsulates information about the header in email notifications.
	From	Email address from which Veeam Agent for Microsoft Windows sends email notifications.
	To	Email address or addresses at which Veeam Agent for Microsoft Windows sends email notifications. List of email addresses separated by comma or semicolon.

Parent Tag	Parameter	Description
	Subject	<p>Subject of email notifications. You can use the following variables in the subject:</p> <ul style="list-style-type: none"> • <i>%ComputerName%</i> • <i>%JobResult%</i> • <i>%JobName%</i> • <i>%CompletionTime%</i> <p>By default, Veeam Agent for Microsoft Windows sends email notifications with the following subject: <i>[%JobResult%] %ComputerName% - %JobName% - %CompletionTime%</i></p>
Conditions		Parent tag that encapsulates information about conditions in which Veeam Agent for Microsoft Windows sends email notifications.
	Failure	<p>Parameter describes if Veeam Agent for Microsoft Windows must send an email notification in case the backup job completes with the <i>Failed</i> status. Possible values:</p> <ul style="list-style-type: none"> • True – email notifications must be sent. • False – email notifications must not be sent.
	Success	<p>Parameter describes if Veeam Agent for Microsoft Windows must send an email notification in case the backup job completes with the <i>Success</i> status. Possible values:</p> <ul style="list-style-type: none"> • True – email notifications must be sent. • False – email notifications must not be sent.
	Warning	<p>Parameter describes if Veeam Agent for Microsoft Windows must send an email notification in case the backup job completes with the <i>Warning</i> status. Possible values:</p> <ul style="list-style-type: none"> • True – email notifications must be sent. • False – email notifications must not be sent.
Smtplib		Parent tag that encapsulates information about the SMTP server that Veeam Agent for Microsoft Windows uses to send email notifications.
	Port	Port number for communication with the SMTP server.

Parent Tag	Parameter	Description
	SecureConnection	Parameter specifies if the SMTP server requires authentication. Possible values: <ul style="list-style-type: none"> • True – SMTP server requires authentication. If you set the <code>SecureConnection</code> parameter to True, you must specify <code>Credentials</code> parameters. • False – SMTP server does not require authentication.
	Server	Full DNS name or IP address of the SMTP server.
Credentials		This tag is used only if the SMTP server requires authentication. Parent tag that encapsulates information about credentials used to connect to the SMTP server.
	Password	This parameter is used only if the SMTP server requires authentication. Password of the account used to connect to the SMTP server. The password is encrypted. For more information, see Encryption of User Credentials .
	UserName	This parameter is used only if the SMTP server requires authentication. User name of the account used to connect to the SMTP server. The user name is specified as a text string encoded in the Base64 format.

Throttling Settings

Parent Tag	Parameter	Description
Throttling		Parent tag that encapsulates information about bandwidth consumption limit set for Veeam Agent backup jobs.
	DisableBackupOverMeteredConnection	Parameter specifies if backup over metered connection can be performed. Possible values: <ul style="list-style-type: none"> • True – metered connections cannot be used. • False – metered connections can be used.

Parent Tag	Parameter	Description
	LimitBandwidth	Parameter specifies if bandwidth consumption is limited for backup jobs. Possible values: <ul style="list-style-type: none"> • True – bandwidth consumption is limited. • False – bandwidth consumption is not limited.
	RestrictVPNConnections	Parameter specifies if backup over VPN connection can be performed. Possible values: <ul style="list-style-type: none"> • True – VPN connections cannot be used. • False – VPN connections can be used.
	RestrictWiFiNetworks	Parameter specifies if backup over Wi-Fi connection can be performed. Possible values: <ul style="list-style-type: none"> • True – Wi-Fi connections cannot be used. • False – Wi-Fi connections can be used.
	WiFiNetworksNames	This parameter is used if you allow backup over the specified Wi-Fi connections only. List of names of the allowed Wi-Fi connections separated by comma.
	SpeedLimit	This parameter is used if you limit bandwidth consumption for backup jobs. The value up to which the bandwidth consumption is set is specified.
	SpeedUnit	This parameter is used if you limit bandwidth consumption for backup jobs. Parameter describes the unit of measurement for the value specified in the SpeedLimit setting. Possible values: <ul style="list-style-type: none"> • 0 – Mbps • 1 – KB\s • 2 – MB\s

Example

This example runs the `Import` command and loads the following parameters from the `C:\Veeam\Configuration.xml` input XML file:

- Backup over metered connections is enabled.
- Backup activities are throttled when the system is busy.

- Veeam Agent for Microsoft Windows notifications in the Control Panel are disabled.

```
Veeam.Agent.Configurator.exe -import /f:C:\Veeam\Configuration.xml
```

The input XML file has the following parameters:

```
<ExecutionResult>  
  <ApplicationSettings DisableBackupOverMeteredConnection="False" ThrottleBackup  
Activity="True" DisableControlPanelNotification="True"/>  
</ExecutionResult>
```

Statistics Information

The `StatisticsInfo` section in the output XML file contains statistics information about the backup job performance.

Parent Tag	Parameter	Description
StatisticsInfo		Parent tag that encapsulates information about the job statistics.
	AverageDuration	Average duration of a backup job session.
	LastPointSize	Size of the latest restore point created by the backup job (in bytes).
	TotalSize	Total size of all restore points created by the backup job (in bytes).

Example

```
<?xml version="1.0" encoding="UTF-8"?>
<ExecutionResult ExitCode='0' Version='6.2.0.121'>
  <Data>
    <JobInfo>
      <StatisticsInfo AverageDuration='00:13:20.8690000' LastPointSize='77552947
2' TotalSize='775529472' />
    </JobInfo>
  </ExecutionResult>
```

Unattended Installation

To automate the process of Veeam Agent for Microsoft Windows deployment, you can install the product in the unattended mode. For more information, see the [Installing Veeam Agent for Microsoft Windows in Unattended Mode](#) section in the Veeam Agent for Microsoft Windows User Guide.

How To Automate Veeam Agent Deployment and Configuration

You can automate the process of Veeam Agent for Microsoft Windows deployment and configuration with scripts and GPO. This scenario describes how to install Veeam Agent in the unattended mode and configure the backup job and application settings with a command line script.

To deploy and configure Veeam Agent:

1. Prepare a configuration file with the backup job and application settings. To facilitate creation of the configuration file, set up the necessary backup job and application settings on a machine protected with Veeam Agent, and export the configuration to a file with the `Export` command:

```
"C:\Program Files\Veeam\Endpoint Backup\Veeam.Agent.Configurator.exe" -export /f:C:\Veeam\configuration.xml
```

2. For security purposes, Veeam Agent does not export password values. If you use credentials in the configuration, for example, to store backups on a backup repository that requires authentication, open the configuration file and provide passwords in place of "Enter the password here" placeholders.

Keep in mind that you must encrypt credentials that are provided in the configuration file. To learn more, see [How User Credentials are Encrypted](#).

```
<TargetInfo Type="3" ServerName="srv06.tech.local" ServerPort="10001" RemoteRepositoryName="Default Backup Repository">  
  <ServerCredentials UserName="c3J2MDZcQWRtaW5pc3RyYXRvcg==" Password="Enter the password here" />  
</TargetInfo>
```

3. Place the configuration file to a network shared folder accessible from the machine on which you plan to install and configure Veeam Agent. In this example, the configuration file is placed to the `\\fileserv01\Veeam` folder.
4. Place the Veeam Agent setup file to a network shared folder accessible from the machine on which you plan to install and configure Veeam Agent. In this example, the setup file is placed to the `\\fileserv01\Veeam` folder.
5. Run the unattended install command to install Veeam Agent on the machine. Veeam Agent uses the following codes to report about the installation results:
 - 1000 – Veeam Agent has been successfully installed.
 - 1001 – prerequisite components required for Veeam Agent have been installed on the machine. Veeam Agent has not been installed. The machine needs to be rebooted.
 - 1002 – Veeam Agent installation has failed.
 - 1004 – migration to SQLite database has failed.

- 1101 – Veeam Agent has been installed. The machine needs to be rebooted.

You can use these codes to check if the product has been installed successfully or not. To do this, run the following command as a script:

```
\\filesrv01\Veeam\VeeamAgentWindows_6.2.0.121.exe /silent /accepteula /  
acceptthirdpartylicenses /acceptlicensingpolicy /acceptrequiredsoftware  
echo %ERRORLEVEL%
```

6. If you want Veeam Agent to operate in the Workstation or Server edition, place a license file to a network shared folder accessible from the machine on which you plan to install and configure Veeam Agent. In this example, the license file is placed to the `\\filesrv01\Veeam` folder.
7. Prepare a script that will install Veeam Agent in the unattended mode, import the backup job configuration and application settings on the target machine. The sample script below performs the following actions:
 - a. Installs a license and sets the product edition to Workstation.
 - b. Imports backup job configuration and application settings from the configuration file.

```
@echo --- Installing Product License and Setting Edition ---  
  
"C:\Program Files\Veeam\Endpoint Backup\veeam.agent.configurator.exe" -lic  
ense /f:"\\filesrv01\Veeam\veeam_agent_windows_license.lic" /w  
  
@echo --- Importing Backup Job Configuration and Application Settings ---  
  
"C:\Program Files\Veeam\Endpoint Backup\veeam.agent.configurator.exe" -imp  
ort /f:"\\filesrv01\Veeam\configuration.xml"
```

If the script executes successfully, Veeam Agent Configurator will report error code 0 for each command in the script.