



Microsoft®

System Center Operations Manager

Appendix to Microsoft System Center Management Pack for SQL Server Replication Guide: SQL Server Replication Management Pack Objects and Workflows

Microsoft Corporation

Published: December 2020

The Operations Manager team encourages you to provide any feedback on the management pack by sending it to sqlmpsfeedback@microsoft.com.

Copyright

This document is provided "as is". Information and views expressed in this document, including URL and other Internet website references, may change without notice. You bear the risk of using it.

Some examples depicted herein are provided for illustration only and are fictitious. No real association or connection is intended or should be inferred.

This document does not provide you with any legal rights to any intellectual property in any Microsoft product. You may copy and use this document for your internal, reference purposes. You may modify this document for your internal, reference purposes.

© 2020 Microsoft Corporation.

All rights reserved. Microsoft, Active Directory, Windows, and Windows Server are trademarks of the Microsoft group of companies. All other trademarks are the property of their respective owners.

Microsoft SQL Server Replication Management Pack Objects and Workflows

This document is based on version 7.0.28.0 RTM of the Management Pack for SQL Server Replication.

The Management Pack for SQL Server Replication discovers the object types described in the following sections. Not all of the objects are automatically discovered. Use overrides to discover objects that are not discovered automatically.

SQL Server Replication Management Pack Objects and Workflows

MSSQL on Windows Replication: Alerts Scope Group

SQL Server on Windows Replication Alerts Scope Group

MSSQL on Windows Replication: Alerts Scope Group - Discoveries

[MSSQL on Windows Replication: Alerts Scope Group Discovery](#)

Discovery of Alerts Scope Group

MSSQL on Windows Replication: Distributor

SQL Server on Windows Distributor is a SQL Server instance that acts as a store for replication specific data associated with one or more Publishers

MSSQL on Windows Replication: Distributor - Discoveries

[MSSQL on Windows Replication: Distributor Discovery](#)

The object discovery discovers all Distributors of an instance of Microsoft SQL Server on Windows.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	14400
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	

Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

MSSQL on Windows Replication: Distributor - Unit monitors

Distribution Agents state (aggregated for all Publications)

This monitor checks the state of the Distribution Agents for all publications serviced by this Distributor.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	True
Estimated Job Duration	Threshold which is being used to check the job schedule compliance.	15
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	300
Show Jobs with Unknown State	Include jobs with unknown state to the monitor output and alert context. Will affect health.	false
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	200
Timeout for database connection (seconds)	The workflow will fail and register an event if it cannot access the database during the specified period.	15

Replication Merge Agent State for the Distributor (aggregated for all

Subscriptions)

This monitor checks the state of the Merge Agents for all Subscriptions on the Distributor.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	True
Estimated Job Duration	Threshold which is being used to check the job schedule compliance.	15
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	300
Show Jobs with Unknown State	Include jobs with unknown state to the monitor output and alert context. Will affect health.	false
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	200
Timeout for database connection (seconds)	The workflow will fail and register an event if it cannot access the database during the specified period.	15

Replication Snapshot Agent State for Distributor (aggregated for all Publications)

This monitor checks the state of the Snapshot Agent services for all Publications on the Distributor.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	True
Estimated Job Duration	Threshold which is being used to check the job schedule compliance.	15
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	300
Show Jobs with Unknown State	Include jobs with unknown state to the monitor output and alert context. Will affect health.	false
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	200
Timeout for database connection (seconds)	The workflow will fail and register an event if it cannot access the database during the specified period.	15

Replication Queue Reader Agent State for Distributor (aggregated for all Publications)

This monitor checks the status of the Queue Reader Agent services for all Publications on the Distributor. Note: This monitor is disabled by default. Please use overrides to enable it when necessary.

Name	Description	Default value
Enabled	Enables or disables the workflow.	No
Generate Alerts	Defines whether the workflow generates an Alert.	True
Estimated Job Duration	Threshold which is being used to check the job schedule compliance.	15
Interval (seconds)	The recurring interval of	300

	time in seconds in which to run the workflow.	
Show Jobs with Unknown State	Include jobs with unknown state to the monitor output and alert context. Will affect health.	false
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	200
Timeout for database connection (seconds)	The workflow will fail and register an event if it cannot access the database during the specified period.	15

Percent of Expired Subscriptions

Percent of Expired Subscriptions Monitor

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	True
Error Threshold	Error Threshold.	10
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	300
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	200
Timeout for database connection (seconds)	The workflow will fail and register an event if it cannot access the database during the specified period.	15

Warning Threshold	The monitor will change the state to Warning if the value drops below this threshold.	0
-------------------	---	---

Unsynchronized Subscriptions on Distributor

This monitor detects unsynchronized subscriptions for specific Distributors. Note that this monitor is disabled for Merge Subscriptions.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	True
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	300
Number of samples	Indicates how many times a measured value should breach a threshold before the state is changed.	12
Per-Subscription threshold	Per-Subscription threshold.	0
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	200
Timeout for database connection (seconds)	The workflow will fail and register an event if it cannot access the database during the specified period.	15
Unhealthy subscriptions count threshold	Unhealthy subscriptions count threshold.	0

Replication Log Reader Agent State for the Distributor (aggregated for all Publications)

This monitor checks the state of the Replication Log Reader for all Publications serviced by the Distributor.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	True
Estimated Job Duration	Threshold which is being used to check the job schedule compliance.	15
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	300
Show Jobs with Unknown State	Include jobs with unknown state to the monitor output and alert context. Will affect health.	false
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	200
Timeout for database connection (seconds)	The workflow will fail and register an event if it cannot access the database during the specified period.	15

Replication Agents failed on the Distributor

This monitor checks if the following Replication Agent jobs are in a healthy state: Distribution Agent, Merge Agent, Snapshot Agent, Log Reader Agent, Queue Reader Agent. If any of the Agents are in a failed state, the monitor will be triggered.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	True
Failed jobs count threshold	Failed jobs count threshold.	1
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	300
Per-Job threshold	Count of fails per-job threshold.	1
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	200
Timeout for database connection (seconds)	The workflow will fail and register an event if it cannot access the database during the specified period.	15

Publication Snapshot Available Space

The monitor reports a warning when the available disk space for the publication Snapshot drops below the Warning Threshold setting. This is indicated as a percentage of the snapshot files folder size. The monitor reports a critical alert when the available space drops below the Critical Threshold.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	True
Error Threshold	Error Threshold.	10
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	900
Synchronization Time	The synchronization time specified by using a 24-	

	hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300
Timeout for database connection (seconds)	The workflow will fail and register an event if it cannot access the database during the specified period.	15
Warning Threshold	Warning Threshold.	20

Percent of Deactivated Subscriptions

Percent of Deactivated Subscriptions Monitor.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	True
Error Threshold	Error Threshold	10
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	300
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	200
Timeout for database connection (seconds)	The workflow will fail and register an event if it cannot access the database during the specified period.	15
Warning Threshold	The monitor will change the state to Warning if the value drops below this threshold.	0

Distributor Securables Configuration Status

This monitor checks the status of Replication Distributor securables access

configuration on Windows.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	True
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	900
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300

Pending Commands on Distributor

There are pending commands on the Distributor waiting for delivery. Note that this monitor is disabled for Merge Subscriptions.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	True
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	300
Number of samples	Indicates how many times a measured value should breach a threshold before the state is changed.	6
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Threshold	Threshold.	5
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	200

Timeout for database connection (seconds)	The workflow will fail and register an event if it cannot access the database during the specified period.	15
---	--	----

Availability of the Distribution database

This monitor checks the availability of the Distribution database from the Distributor.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	True
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	300
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	200
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

Total daily execution time of the Replication Agent

This monitors the total daily execution time of the replication Agents, Distribution, Log Reader, Merge, Queue Reader, and Snapshot on the Distributor.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	True
Error Threshold	Error Threshold.	4
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	300
Measurement Period (hours)	Period of time used for measurement (hours).	24
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	200
Timeout for database connection (seconds)	The workflow will fail and register an event if it cannot access the database during the specified period.	15
Warning Threshold	The monitor will change the state to Warning if the value drops below this threshold.	3

SQL Server Agent State for Distributor

This monitor checks if the SQL Server Agent is running on Distributor.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	True
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	600
Synchronization Time	The synchronization time specified by using a 24-hour format. May be	

	omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

MSSQL on Windows Replication: Distributor - Dependency (rollup) monitors

[MSSQL on Windows Replication: Database Performance Rollup](#)

This monitor rolls up the performance state from Database to Microsoft SQL Server on Windows Replication

MSSQL on Windows Replication: Distributor - Rules (alerting)

[MSSQL on Windows Replication: The Maintenance Job\(s\) Failed on Distributor Alert Rule](#)

The Maintenance Job(s) Failed on Distributor Alert Rule.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	Yes
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	300
Priority	Defines Alert Priority.	2
Severity	Defines Alert Severity.	2
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	200
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the	15

	database during the specified period.	
--	---------------------------------------	--

MSSQL on Windows Replication: Distributor - Rules (non-alerting)

MSSQL on Windows Replication: Count of the Distribution Agent Instances for the Distributor

Count of the Distribution Agent Instances for the Distributor.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	No
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	900
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

MSSQL on Windows Replication: Count of the Merge Agent Instances for the Distributor

Count of the Merge Agent Instances for the Distributor.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	No
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	900
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

MSSQL on Windows Replication: Log Reader Agent: Delivered Transactions per Second

The number of transactions per second delivered to the Distributor.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	No
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	900
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

MSSQL on Windows Replication: Merge Agent: Download Changes per Second

The number of rows per second replicated from the Publisher to the Subscriber (aggregated for Distributor).

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	No
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	900
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

MSSQL on Windows Replication: Count of the Log Reader Agent Instances for the Distributor

Count of the Log Reader Agent Instances for the Distributor.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	No
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	900
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

MSSQL on Windows Replication: Log Reader Agent: Delivered Commands per Second

The number of commands per second delivered to the Distributor.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	No
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	900
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

[MSSQL on Windows Replication: Count of Failed Replication Agents Jobs on the Distributor](#)

This rule collects the following failed Replication agent jobs: Merge, Distribution, and Snapshot Agents.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	No
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	300
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	200
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

MSSQL on Windows Replication: Snapshot Agent: Delivered Transactions per Second

The number of transactions per second delivered to the Distributor.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	No
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	900
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

MSSQL on Windows Replication: Distribution Agent: Delivered Commands per Second

The number of commands per second delivered to the Subscriber.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	No
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	900
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

MSSQL on Windows Replication: Count of Pending Commands in the

Distribution Database

Count of commands in the Distribution database pending replication.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	No
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	300
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	200
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

MSSQL on Windows Replication: Replication Snapshot Available Space (%)

The amount of space left on media hosting a Replication Snapshot.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	No
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	900
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300

Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15
---	---	----

MSSQL on Windows Replication: Count of the Snapshot Agents Instances for the Distributor

Count of the Snapshot Agent Instances for the Distributor.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	No
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	900
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

MSSQL on Windows Replication: Log Reader Agent: Delivery Latency

The current amount of time (in milliseconds) elapsed from when transactions are applied at the Publisher to when they are delivered to the Distributor.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	No
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	900
Timeout (seconds)	Specifies the time the workflow is allowed to	300

	run before being closed and marked as failed.	
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

MSSQL on Windows Replication: Snapshot Agent: Delivered Commands per Second

The number of commands per second delivered to the Distributor.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	No
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	900
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

MSSQL on Windows Replication: Distribution Agent: Delivery Latency

The current amount of time (in milliseconds) elapsed from when transactions are delivered to the Distributor to when they are applied at the Subscriber.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	No
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	900
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed	300

	and marked as failed.	
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

MSSQL on Windows Replication: Merge Agent: Conflicts per Second

The number of conflicts per second occurring during the merge process.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	No
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	900
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

MSSQL on Windows Replication: Merge Agent: Uploaded Changes per Second

The number of rows per second replicated from the Subscriber to the Publisher.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	No
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	900
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300
Timeout for database	The workflow will fail and	15

connection (seconds)	register an event, if it cannot access the database during the specified period.	
----------------------	--	--

MSSQL on Windows Replication: Deactivated Subscriptions (%)

The percentage of Deactivated Subscriptions for the Distributor.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	No
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	300
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	200
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

MSSQL on Windows Replication: Expired Subscriptions (%)

The Percentage of Expired Subscriptions for the Distributor.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	No
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	300
Synchronization Time	The synchronization time	

	specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	200
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

MSSQL on Windows Replication: Count of Publications for the Distributor

Count of Publications for the Distributor.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	No
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	900
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

MSSQL on Windows Replication: Distribution Agent: Delivered Transactions per Second

The number of transactions per second delivered to the Subscriber.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	No
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	900
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

[MSSQL on Windows Replication: Count of Subscriptions for the Distributor](#)

Count of Subscriptions for the Distributor.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	No
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	900
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

[MSSQL on Windows Replication: Count of the Queue Reader Instances for the](#)

Distributor

Count of the Queue Reader Instances for the Distributor.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	No
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	900
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

MSSQL on Windows Replication: Count of Unsynchronized Subscriptions for the Distributor

Count of unsynchronized subscriptions for the Distributor.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	No
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	300
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Threshold	Threshold	0
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	200
Timeout for database connection (seconds)	The workflow will fail and register an event, if it	15

	cannot access the database during the specified period.	
--	---	--

MSSQL on Windows Replication: Group

A group containing all SQL Server on Windows Replication components

MSSQL on Windows Replication: Group - Discoveries

[MSSQL on Windows Replication: Populate SQL Server on Windows Replication Group](#)

This discovery rule populates the SQL Server on Windows Replication group with all SQL Server on Windows Replication components.

MSSQL on Windows Replication: Monitoring Pool Alert Collection

MSSQL Replication Monitoring Pool Alert Collection on Windows. This object is used to collect Windows module errors and warnings from event log of nodes that are the members of the SQL Server Monitoring Pool.

MSSQL on Windows Replication: Monitoring Pool Alert Collection - Discoveries

[MSSQL on Windows Replication: Discover Monitoring Pool Alert Collections](#)

This rule discovers a Monitoring Pool Alert Collection for a MSSQL on Windows Replication. This object is used to collect module errors and warnings from event log of nodes that are the members of the SQL Server Monitoring Pool.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	14400
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	

[MSSQL on Windows Replication: Discover Local Alert Collections](#)

This rule discovers a Local Alert Collection for a MSSQL on Windows Replication. This object is used to collect module errors and warnings from event log of SCOM agents that monitor Local SQL Server DB Engine instances.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	14400
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300

MSSQL on Windows Replication: Monitoring Pool Alert Collection - Rules (alerting)

MSSQL on Windows Replication: Discovery warning

The rule traces discovery workflows warnings and generates error alerts.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	Yes
Priority	Defines Alert Priority.	1
Severity	Defines Alert Severity.	1

MSSQL on Windows Replication: Discovery error

The rule traces discovery workflows errors and generates error alerts.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	Yes
Priority	Defines Alert Priority.	1
Severity	Defines Alert Severity.	2

MSSQL on Windows Replication: Monitoring Warning

The rule traces monitoring workflows warnings and generates error alerts.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	Yes
Priority	Defines Alert Priority.	1
Severity	Defines Alert Severity.	1

MSSQL on Windows Replication: Monitoring Error

The rule traces monitoring workflows errors and generates error alerts.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	Yes
Priority	Defines Alert Priority.	1
Severity	Defines Alert Severity.	2

MSSQL on Windows Replication: Publication

A publication is a collection of one or more articles from one database. The grouping of multiple articles into a publication makes it easier to specify a logically related set of database data and objects that are replicated as a unit.

MSSQL on Windows Replication: Publication - Discoveries

MSSQL on Windows Replication: Publication Discovery

The object discovery discovers all Publications of a Publisher of Microsoft SQL Server on Windows.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	14400
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	

Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

MSSQL on Windows Replication: Publication - Unit monitors

Replication Snapshot Agent State

This monitor checks the status of the Replication Snapshot Agent service for Publications.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	True
Estimated Job Duration	Threshold which is being used to check the job schedule compliance.	15
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	300
Show Jobs with Unknown State	Include jobs with unknown state to the monitor output and alert context. Will affect health.	false
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	200
Timeout for database connection (seconds)	The workflow will fail and register an event if it cannot access the database during the specified period.	15

Replication Log Reader Agent State for Publication

This monitor checks the status of the Replication Log Reader Agent service for Publications.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	True
Estimated Job Duration	Threshold which is being used to check the job schedule compliance.	15
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	300
Show Jobs with Unknown State	Include jobs with unknown state to the monitor output and alert context. Will affect health.	false
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	200
Timeout for database connection (seconds)	The workflow will fail and register an event if it cannot access the database during the specified period.	15

All Subscriptions are Synchronizing for Publication

All Subscriptions are Synchronizing.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	True
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	300
Synchronization Time	The synchronization time	

	specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	200
Timeout for database connection (seconds)	The workflow will fail and register an event if it cannot access the database during the specified period.	15

MSSQL on Windows Replication: Publisher

SQL Server on Windows Publisher is a SQL on Windows instance that makes data available to other locations through replication.

MSSQL on Windows Replication: Publisher - Discoveries

[MSSQL on Windows Replication: Publisher Discovery](#)

The object discovery discovers Publishers of an instance of Microsoft SQL Server on Windows.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	14400
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

MSSQL on Windows Replication: Publisher - Unit monitors

[SQL Server Agent State for Publisher](#)

This monitor checks if the SQL Server Agent is running on Publisher.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	True
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	600
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

Subscriptions state for Publisher

This monitor checks whether there are any inactive Subscriptions for any Publications.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	True
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	900
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300
Timeout for database connection (seconds)	The workflow will fail and register an event if it	15

	cannot access the database during the specified period.	
--	---	--

Publisher Securables Configuration Status

This monitor checks the status of the Replication Publisher securables access configuration on Windows.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	True
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	900
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300

MSSQL on Windows Replication: Publisher - Rules (non-alerting)

MSSQL on Windows Replication: Count of Publications for the Publisher

Count of Publications for the Publisher.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	No
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	900

Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

MSSQL on Windows Replication: Subscriber

SQL Server on Windows Subscriber is a SQL on Windows instance that receives replicated data.

MSSQL on Windows Replication: Subscriber - Discoveries

[MSSQL on Windows Replication: Subscriber Discovery](#)

The object discovery discovers Subscribers of an instance of Microsoft SQL Server on Windows.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	14400
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

MSSQL on Windows Replication: Subscriber - Unit monitors

[Load of Replication Agents on Subscriber](#)

Replication Agents (Distribution and Merge) load on Subscriber. Note that SQL Server Agent is not available for SQL Server Express Editions. Therefore, this monitor is disabled for instances of such editions.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	True
Error Threshold	Error Threshold.	4
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	300
Measurement Period (hours)	Period of time used for measurement (hours).	24
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	200
Timeout for database connection (seconds)	The workflow will fail and register an event if it cannot access the database during the specified period.	15
Warning Threshold	The monitor will change the state to Warning if the value drops below this threshold.	3

Subscriber Agent is Retrying

The Subscriber Agent (Distribution, Log Reader, Merge, Queue Reader and Snapshot) is Retrying Monitor. Note that SQL Server Agent Windows service is not supported by any edition of SQL Server Express. Therefore, this monitor is not applicable for SQL Server Express cases.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	True
Failed jobs count threshold	Failed jobs count threshold.	1
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	300
Per-Job threshold	Count of fails per-job threshold.	3
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	200
Timeout for database connection (seconds)	The workflow will fail and register an event if it cannot access the database during the specified period.	15

SQL Server Agent State for Subscriber

This monitor checks if the SQL Server Agent is running on Subscriber. Note that SQL Server Agent Windows service is not supported by any edition of SQL Server Express. Therefore, this monitor is not applicable for SQL Server Express cases.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	True
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	600
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	

Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

Subscriber Securables Configuration Status

This monitor checks the status of the Replication Subscriber securables access configuration on Windows.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	True
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	900
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300

MSSQL on Windows Replication: Subscriber - Rules (non-alerting)

MSSQL on Windows Replication: Count of the Failed Replication Jobs for the Subscriber

Count of the Failed Replication Jobs for the Subscriber.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	No
Interval (seconds)	The recurring interval of time in seconds in which to	300

	run the workflow.	
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	200
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

MSSQL on Windows Replication: Count of Subscriptions for the Subscriber

Count of Subscriptions for the Subscriber.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	No
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	900
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

MSSQL on Windows Replication: Subscription

SQL Server on Windows Subscription is a request for a copy of a publication to be delivered to a Subscriber.

MSSQL on Windows Replication: Subscription - Discoveries

MSSQL on Windows Replication: Subscription Discovery

The object discovery discovers all Subscriptions of a Subscriber of Microsoft SQL Server on Windows.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	14400
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

MSSQL on Windows Replication: Subscription - Unit monitors

Replication Merge Agent State for Subscription

This monitor checks the status of the Replication Merge Agent service for Subscription. Note that SQL Server Agent Windows service is not supported by any edition of SQL Server Express. Therefore, this monitor is not applicable for SQL Server Express cases.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	True
Estimated Job Duration	Threshold which is being used to check the job schedule compliance.	15
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	300
Show Jobs with Unknown State	Include jobs with unknown state to the monitor output and alert context.	false

	Will affect health.	
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	200
Timeout for database connection (seconds)	The workflow will fail and register an event if it cannot access the database during the specified period.	15

Subscription Pending Commands

There are pending commands on the Distributor for specific Subscription waiting delivery. Note that this monitor is disabled for Merge Subscriptions.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	True
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	300
Number of samples	Indicates how many times a measured value should breach a threshold before the state is changed.	6
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Threshold	Threshold.	20
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	200
Timeout for database connection (seconds)	The workflow will fail and register an event if it cannot access the database during the specified period.	15

Distribution Agent State for Subscription

This monitor checks the status of the Replication Distribution Agent services for Subscription. Note that SQL Server Agent Windows service is not supported by any edition of SQL Server Express. Therefore, this monitor is not applicable for SQL Server Express cases.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	True
Estimated Job Duration	Threshold which is being used to check the job schedule compliance.	15
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	300
Show Jobs with Unknown State	Include jobs with unknown state to the monitor output and alert context. Will affect health.	false
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	200
Timeout for database connection (seconds)	The workflow will fail and register an event if it cannot access the database during the specified period.	15

Subscription latency

This monitor checks the latency for commands in the Distribution database waiting to be delivered to the Subscribers. Note that this monitor is disabled for Merge Subscriptions.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	True
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	300
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Threshold	Threshold.	60
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	200
Timeout for database connection (seconds)	The workflow will fail and register an event if it cannot access the database during the specified period.	15

MSSQL on Windows Replication: Subscription - Rules (non-alerting)

MSSQL on Windows Replication: Count of Pending Commands

Count of commands pending replication in Distribution database for the Subscription. Note that this rule is disabled for Merge Subscriptions.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	No
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	300
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the	200

	workflow is allowed to run before being closed and marked as failed.	
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

MSSQL: Generic Replication Alerts Scope Group

SQL Server Replication Alerts Scope Group contains SQL Server objects which can throw alerts.

MSSQL: Generic Replication Alerts Scope Group - Discoveries

[MSSQL: Replication Alerts Scope Group Discovery](#)

Discovery of Alerts Scope Group

MSSQL: Generic Replication Alerts Scope Group

The Generic Replication Alerts Scope Group contains SQL Server objects which can raise alerts.

MSSQL: Generic Replication Alerts Scope Group - Discoveries

[MSSQL: Replication Alerts Scope Group Discovery](#)

Discovery of Alerts Scope Group

MSSQL: Generic Replication Database Health

This class is a dynamic application used to group Publishers, distributors and Subscribers which are linked with a single Publisher database.

MSSQL: Generic Replication Database Health - Discoveries

[MSSQL: Generic Replication Database Health Discovery](#)

The object discovery discovers the aggregate health containers and relationships for objects related to a published database.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	14400
Synchronization Time	The synchronization time specified by using a 24-	

	hour format. May be omitted.	
Timeout (seconds)	Timeout (seconds)	15
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300

MSSQL: Generic Replication Database Health - Dependency (rollup) monitors

Virtual Distributor Configuration Rollup

Virtual Distributor Configuration Rollup

Virtual Distributor Performance Rollup

Virtual Distributor Performance Rollup

Virtual Publisher Availability Rollup

Virtual Publisher Availability Rollup

Virtual Publisher Configuration Rollup

Virtual Publisher Configuration Rollup

Virtual Distributor Availability Rollup

Virtual Distributor Availability Rollup

Virtual Publisher Performance Rollup

Virtual Publisher Performance Rollup

Virtual Subscriber Host Availability Rollup

Virtual Subscriber Host Availability Rollup

Virtual Publisher Security Rollup

Virtual Publisher Security Rollup

Virtual Subscriber Host Security Rollup

Virtual Subscriber Host Security Rollup

Virtual Distributor Security Rollup

Virtual Distributor Security Rollup

Virtual Subscriber Host Performance Rollup

Virtual Subscriber Host Performance Rollup

[Virtual Subscriber Host Configuration Rollup](#)

Virtual Subscriber Host Configuration Rollup

MSSQL: Generic Replication Distributor Group

A Distributor Group is a group of Distributors.

MSSQL: Generic Replication Distributor Group - Discoveries

[MSSQL: Generic Replication Distributor Group Memberships Discovery](#)

The Discovery of Memberships in a Distributor Group

MSSQL: Generic Replication Distributor Group - Dependency (rollup) monitors

[Generic Distributor Performance Rollup for the Distributor Group](#)

Generic Distributor Performance Rollup for the Distributor Group

[Generic Distributor Configuration Rollup for the Distributor Group](#)

Generic Distributor Configuration Rollup for the Distributor Group

[Generic Distributor Availability Rollup for the Distributor Group](#)

Generic Distributor Availability Rollup for the Distributor Group

[Generic Distributor Security Rollup for the Distributor Group](#)

Generic Distributor Security Rollup for the Distributor Group

MSSQL: Generic Replication Distributor Instances Group

Distributor Instances Group is a group that contains all SQL Server instances with a Distributor.

MSSQL: Generic Replication Distributor Instances Group - Dependency (rollup) monitors

[Instance Configuration Rollup for the Distributor Instance Group](#)

Instance Configuration Rollup for the Distributor Instance Group

[Instance Availability Rollup for the Distributor Instance Group](#)

Instance Availability Rollup for the Distributor Instance Group

[Instance Security Rollup for the Distributor Instance Group](#)

Instance Security Rollup for the Distributor Instance Group

[Generic Distributor Configuration Rollup for the Distributor Instance Group](#)

Generic Distributor Configuration Rollup for the Distributor Instance Group

[Instance Performance Rollup for the Distributor Instance Group](#)

Instance Performance Rollup for the Distributor Instance Group

[Generic Distributor Performance Rollup for the Distributor Instance Group](#)

Generic Distributor Performance Rollup for the Distributor Instance Group

[Generic Distributor Availability Rollup for the Distributor Instance Group](#)

Generic Distributor Availability Rollup for the Distributor Instance Group

[Generic Distributor Security Rollup for the Distributor Instance Group](#)

Generic Distributor Security Rollup for the Distributor Instance Group

MSSQL: Generic Replication Flow Group

This group is a collection of Publishers, distributors and Subscribers. It contains all objects related to the replication which can be found in the System Center Operations Manager database.

MSSQL: Generic Replication Flow Group - Discoveries

[MSSQL: Generic Replication Flow Group Discovery](#)

Discovery of Memberships in a Replication Flow Group

MSSQL: Generic Replication Flow Group - Dependency (rollup) monitors

[Distributor Group Availability Rollup for the Replication Flow Group](#)

Distributor Group Availability Rollup for the Replication Flow Group

[Subscriber Group Availability Rollup for the Replication Flow Group](#)

Subscriber Group Availability Rollup for the Replication Flow Group

[Publisher Group Configuration Rollup for the Replication Flow Group](#)

Publisher Group Configuration Rollup for the Replication Flow Group

[Publisher Group Availability Rollup for the Replication Flow Group](#)

Publisher Group Availability Rollup for the Replication Flow Group

Publisher Instance Group Availability Rollup for the Replication Flow Group

Publisher Instance Group Availability Rollup for the Replication Flow Group

Subscriber Group Configuration Rollup for the Replication Flow Group

Subscriber Group Configuration Rollup for the Replication Flow Group

Distributor Instance Group Availability Rollup for the Replication Flow Group

Distributor Instance Group Availability Rollup for the Replication Flow Group

Distributor Instance Group Security Rollup for the Replication Flow Group

Distributor Instance Group Security Rollup for the Replication Flow Group

Subscriber Instance Group Configuration Rollup for the Replication Flow Group

Subscriber Instance Group Configuration Rollup for the Replication Flow Group

Distributor Group Performance Rollup for the Replication Flow Group

Distributor Group Performance Rollup for the Replication Flow Group

Subscriber Instance Group Availability Rollup for the Replication Flow Group

Subscriber Instance Group Availability Rollup for the Replication Flow Group

Subscriber Group Security Rollup for the Replication Flow Group

Subscriber Group Security Rollup for the Replication Flow Group

Distributor Instance Group Configuration Rollup for the Replication Flow Group

Distributor Instance Group Configuration Rollup for the Replication Flow Group

Subscriber Instance Group Security Rollup for the Replication Flow Group

Subscriber Instance Group Security Rollup for the Replication Flow Group

Publisher Instance Group Security Rollup for the Replication Flow Group

Publisher Instance Group Security Rollup for the Replication Flow Group

Distributor Group Configuration Rollup for the Replication Flow Group

Distributor Group Configuration Rollup for the Replication Flow Group

Subscriber Instance Group Performance Rollup for the Replication Flow Group

Subscriber Instance Group Performance Rollup for the Replication Flow Group

[Subscriber Group Performance Rollup for the Replication Flow Group](#)

Subscriber Group Performance Rollup for the Replication Flow Group

[Publisher Instance Group Configuration Rollup for the Replication Flow Group](#)

Publisher Instance Group Configuration Rollup for the Replication Flow Group

[Distributor Instance Group Performance Rollup for the Replication Flow Group](#)

Distributor Instance Group Performance Rollup for the Replication Flow Group

[Publisher Group Security Rollup for the Replication Flow Group](#)

Publisher Group Security Rollup for the Replication Flow Group

[Publisher Instance Group Performance Rollup for the Replication Flow Group](#)

Publisher Instance Group Performance Rollup for the Replication Flow Group

[Distributor Group Security Rollup for the Replication Flow Group](#)

Distributor Group Security Rollup for the Replication Flow Group

[Publisher Group Performance Rollup for the Replication Flow Group](#)

Publisher Group Performance Rollup for the Replication Flow Group

MSSQL: Generic Replication Library Database Health Group

Replication Library Database Health Group is a group of Replication Database Health objects.

MSSQL: Generic Replication Library Database Health Group - Discoveries

[MSSQL: Generic Replication Database Health Group Memberships Discovery](#)

The Discovery of Memberships in a Database Health Group

MSSQL: Generic Replication Publication

Generic Publication.

MSSQL: Generic Replication Publication - Dependency (rollup) monitors

[Database Availability Rollup](#)

Database Availability Rollup

[Database Performance Rollup](#)

Database Performance Rollup

[Database Configuration Rollup](#)

Database Configuration Rollup

[Database Security Rollup](#)

Database Security Rollup

MSSQL: Generic Replication Publisher Group

A Publisher Group is a group of Publishers.

MSSQL: Generic Replication Publisher Group - Discoveries

[MSSQL: Generic Replication Publisher Group Memberships Discovery](#)

The Discovery of Memberships in a Publisher Groups

MSSQL: Generic Replication Publisher Group - Dependency (rollup) monitors

[Generic Publisher Availability Rollup for the Publisher Group](#)

Generic Publisher Availability Rollup for the Publisher Group

[Generic Publisher Security Rollup for the Publisher Group](#)

Generic Publisher Security Rollup for the Publisher Group

[Generic Publisher Performance Rollup for the Publisher Group](#)

Generic Publisher Performance Rollup for the Publisher Group

[Generic Publisher Configuration Rollup for the Publisher Group](#)

Generic Publisher Configuration Rollup for the Publisher Group

MSSQL: Generic Replication Publisher Instances Group

A Publisher Instances Group is a group that contains all SQL Server Instances with Publishers.

MSSQL: Generic Replication Publisher Instances Group - Dependency (rollup) monitors

[Instance Configuration Rollup for the Publisher Instance Group](#)

Instance Configuration Rollup for the Publisher Instance Group

[Instance Performance Rollup for the Publisher Instance Group](#)

Instance Performance Rollup for the Publisher Instance Group

[Instance Security Rollup for the Publisher Instance Group](#)

Instance Security Rollup for the Publisher Instance Group

[Instance Availability Rollup for the Publisher Instance Group](#)

Instance Availability Rollup for the Publisher Instance Group

[Generic Publisher Performance Rollup for the Publisher Instance Group](#)

Generic Publisher Performance Rollup for the Publisher Instance Group

[Generic Publisher Availability Rollup for the Publisher Instance Group](#)

Generic Publisher Availability Rollup for the Publisher Instance Group

[Generic Publisher Configuration Rollup for the Publisher Instance Group](#)

Generic Publisher Configuration Rollup for the Publisher Instance Group

[Generic Publisher Security Rollup for the Publisher Instance Group](#)

Generic Publisher Security Rollup for the Publisher Instance Group

MSSQL: Generic Replication Seed

An installation of Microsoft SQL Server Replication Seed.

MSSQL: Generic Replication Seed - Discoveries

[MSSQL on Windows Replication: Discover SQL Server on Windows Replication \(seed\)](#)

This discovery rule discovers a seed for a Microsoft SQL Server on Windows Replication Database Health. This object indicates that the particular server computer contains an installation of Microsoft SQL Server on Windows with Replication Distributor configured.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	14400
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	

MSSQL: Generic Replication Subscriber Group

Subscriber Group is a group that contain all Subscribers.

MSSQL: Generic Replication Subscriber Group - Discoveries

[MSSQL: Generic Replication Subscriber Group Memberships Discovery](#)

Discovery of Memberships in a Subscriber Group

MSSQL: Generic Replication Subscriber Group - Dependency (rollup) monitors

[Generic Subscriber Security Rollup for the Subscriber Group](#)

Generic Subscriber Security Rollup for the Subscriber Group

[Generic Subscriber Availability Rollup for the Subscriber Group](#)

Generic Subscriber Availability Rollup for the Subscriber Group

[Generic Subscriber Performance Rollup for the Subscriber Group](#)

Generic Subscriber Performance Rollup for the Subscriber Group

[Generic Subscriber Configuration Rollup for the Subscriber Group](#)

Generic Subscriber Configuration Rollup for the Subscriber Group

MSSQL: Generic Replication Subscriber Instances Group

Subscriber Instances Group is a group that contains all SQL Server Instances with Subscribers.

MSSQL: Generic Replication Subscriber Instances Group - Dependency (rollup) monitors

[Instance Availability Rollup for the Subscriber Instance Group](#)

Instance Availability Rollup for the Subscriber Instance Group

[Generic Subscriber Availability Rollup for the Subscriber Instance Group](#)

Generic Subscriber Availability Rollup for the Subscriber Instance Group

[Instance Configuration Rollup for the Subscriber Instance Group](#)

Instance Configuration Rollup for the Subscriber Instance Group

[Generic Subscriber Performance Rollup for the Subscriber Instance Group](#)

Generic Subscriber Performance Rollup for the Subscriber Instance Group

[Instance Performance Rollup for the Subscriber Instance Group](#)

Instance Performance Rollup for the Subscriber Instance Group

[Generic Subscriber Security Rollup for the Subscriber Instance Group](#)

Generic Subscriber Security Rollup for the Subscriber Instance Group

[Generic Subscriber Configuration Rollup for the Subscriber Instance Group](#)

Generic Subscriber Configuration Rollup for the Subscriber Instance Group

[Instance Security Rollup for the Subscriber Instance Group](#)

Instance Security Rollup for the Subscriber Instance Group

MSSQL: Generic Replication Subscription

Generic Subscription.

MSSQL: Generic Replication Subscription - Dependency (rollup) monitors

[Database Security Rollup](#)

Database Security Rollup

[Database Configuration Rollup](#)

Database Configuration Rollup

[Database Performance Rollup](#)

Database Performance Rollup

[Database Availability Rollup](#)

Database Availability Rollup

MSSQL: Generic Replication Virtual Alerts Scope Group

The Virtual Replication Alerts Scope Group contains Virtual Replication objects which can raise alerts.

MSSQL: Generic Replication Virtual Alerts Scope Group - Discoveries

[MSSQL: Replication Replication Virtual Alerts Scope Group Discovery](#)

Discovery of Virtual Alerts Scope Group

MSSQL: Generic Replication Virtual Distributor

Virtual Distributor.

MSSQL: Generic Replication Virtual Distributor - Discoveries

MSSQL: Generic Replication Database Health Discovery

The object discovery discovers the aggregate health containers and relationships for objects related to a published database.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	14400
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Timeout (seconds)	15
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300

MSSQL: Generic Replication Virtual Distributor - Unit monitors

All Publishers Discovered for Distributor

This monitor checks that all Publishers are discovered for the Distributor.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Generate Alerts	Defines whether the workflow generates an Alert.	True
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	300
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Specifies the time the	200

	workflow is allowed to run before being closed and marked as failed.	
Timeout for database connection (seconds)	The workflow will fail and register an event, if it cannot access the database during the specified period.	15

MSSQL: Generic Replication Virtual Distributor - Dependency (rollup) monitors

Generic Distributor Configuration Rollup

Generic Distributor Configuration Rollup

Generic Distributor Security Rollup

Generic Distributor Security Rollup

Generic Distributor Availability Rollup

Generic Distributor Availability Rollup

Database Configuration Rollup

Database Configuration Rollup

Database Security Rollup

Database Security Rollup

Database Availability Rollup

Database Availability Rollup

System Entity Security Rollup

System Entity Security Rollup

System Entity Performance Rollup

System Entity Performance Rollup

System Entity Availability Rollup

System Entity Availability Rollup

Database Performance Rollup

Database Performance Rollup

[Generic Distributor Performance Rollup](#)

Generic Distributor Performance Rollup

[System Entity Configuration Rollup](#)

System Entity Configuration Rollup

MSSQL: Generic Replication Virtual Publication Host

Virtual Publication host.

MSSQL: Generic Replication Virtual Publication Host - Discoveries

[MSSQL: Generic Replication Database Health Discovery](#)

The object discovery discovers the aggregate health containers and relationships for objects related to a published database.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	14400
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Timeout (seconds)	15
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300

MSSQL: Generic Replication Virtual Publication Host - Dependency (rollup) monitors

[Generic Publication Performance Rollup](#)

Generic Publication Performance Rollup

[Generic Publication Configuration Rollup](#)

Generic Publication Configuration Rollup

[Generic Publication Security Rollup](#)

Generic Publication Security Rollup

Generic Publication Availability Rollup

Generic Publication Availability Rollup

MSSQL: Generic Replication Virtual Publisher

Virtual Publisher.

MSSQL: Generic Replication Virtual Publisher - Discoveries

MSSQL: Generic Replication Database Health Discovery

The object discovery discovers the aggregate health containers and relationships for objects related to a published database.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	14400
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Timeout (seconds)	15
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300

MSSQL: Generic Replication Virtual Publisher - Dependency (rollup) monitors

Generic Publication Configuration Rollup

Generic Publication Configuration Rollup

Database Performance Rollup

Database Performance Rollup

Generic Publication Performance Rollup

Generic Publication Performance Rollup

Virtual Publication Host Performance Rollup

Virtual Publication Host Performance Rollup

Virtual Publication Host Configuration Rollup

Virtual Publication Host Configuration Rollup

Virtual Publication Host Security Rollup

Virtual Publication Host Security Rollup

Generic Publisher Availability Rollup

Generic Publisher Availability Rollup

System Entity Security Rollup

System Entity Security Rollup

Database Security Rollup

Database Security Rollup

Database Availability Rollup

Database Availability Rollup

System Entity Availability Rollup

System Entity Availability Rollup

Generic Publication Security Rollup

Generic Publication Security Rollup

Database Configuration Rollup

Database Configuration Rollup

Generic Publisher Configuration Rollup

Generic Publisher Configuration Rollup

System Entity Configuration Rollup

System Entity Configuration Rollup

System Entity Performance Rollup

System Entity Performance Rollup

Generic Publisher Security Rollup

Generic Publisher Security Rollup

Virtual Publication Host Availability Rollup

Virtual Publication Host Availability Rollup

[Generic Publisher Performance Rollup](#)

Generic Publisher Performance Rollup

[Generic Publication Availability Rollup](#)

Generic Publication Availability Rollup

MSSQL: Generic Replication Virtual Subscriber

Virtual Subscriber.

MSSQL: Generic Replication Virtual Subscriber - Discoveries

[MSSQL: Generic Replication Database Health Discovery](#)

The object discovery discovers the aggregate health containers and relationships for objects related to a published database.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	14400
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Timeout (seconds)	15
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300

MSSQL: Generic Replication Virtual Subscriber - Dependency (rollup) monitors

[System Entity Security Rollup](#)

System Entity Security Rollup

[System Entity Configuration Rollup](#)

System Entity Configuration Rollup

[System Entity Availability Rollup](#)

System Entity Availability Rollup

[Generic Subscriber Security Rollup](#)

Generic Subscriber Security Rollup

[Virtual Subscription Security Rollup](#)

Virtual Subscription Security Rollup

[System Entity Performance Rollup](#)

System Entity Performance Rollup

[Generic Subscriber Performance Rollup](#)

Generic Subscriber Performance Rollup

[Generic Subscriber Configuration Rollup](#)

Generic Subscriber Configuration Rollup

[Generic Subscriber Availability Rollup](#)

Generic Subscriber Availability Rollup

[Virtual Subscription Availability Rollup](#)

Virtual Subscription Availability Rollup

[Virtual Subscription Configuration Rollup](#)

Virtual Subscription Configuration Rollup

[Virtual Subscription Performance Rollup](#)

Virtual Subscription Performance Rollup

MSSQL: Generic Replication Virtual Subscriber Host

Virtual Subscriber host.

MSSQL: Generic Replication Virtual Subscriber Host - Discoveries

[MSSQL: Generic Replication Database Health Discovery](#)

The object discovery discovers the aggregate health containers and relationships for objects related to a published database.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	14400

Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	
Timeout (seconds)	Timeout (seconds)	15
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300

MSSQL: Generic Replication Virtual Subscriber Host - Dependency (rollup) monitors

[Virtual Subscriber Availability Rollup](#)

Virtual Subscriber Availability Rollup

[Virtual Subscriber Configuration Rollup](#)

Virtual Subscriber Configuration Rollup

[Virtual Subscriber Performance Rollup](#)

Virtual Subscriber Performance Rollup

[Virtual Subscriber Security Rollup](#)

Virtual Subscriber Security Rollup

MSSQL: Generic Replication Virtual Subscription

Virtual Subscription.

MSSQL: Generic Replication Virtual Subscription - Discoveries

[MSSQL: Generic Replication Database Health Discovery](#)

The object discovery discovers the aggregate health containers and relationships for objects related to a published database.

Name	Description	Default value
Enabled	Enables or disables the workflow.	Yes
Interval (seconds)	The recurring interval of time in seconds in which to run the workflow.	14400
Synchronization Time	The synchronization time specified by using a 24-hour format. May be omitted.	

Timeout (seconds)	Timeout (seconds)	15
Timeout (seconds)	Specifies the time the workflow is allowed to run before being closed and marked as failed.	300

MSSQL: Generic Replication Virtual Subscription - Dependency (rollup) monitors

Generic Subscription Security Rollup

Generic Subscription Security Rollup

Generic Subscription Configuration Rollup

Generic Subscription Configuration Rollup

Generic Subscription Performance Rollup

Generic Subscription Performance Rollup

Generic Subscription Availability Rollup

Generic Subscription Availability Rollup

SQL Server Alerts Scope Group

SQL Server Alerts Scope Group contains SQL Server objects which can throw alerts.

SQL Server Alerts Scope Group - Discoveries

MSSQL: Replication Alerts Scope Group Discovery

Discovery of Alerts Scope Group

