

ZENworks 11 SP 3

Test Scenarios for *Subscriptions - Multizone*

This document contains test scenarios for ZENworks 11 SP3 Beta.

Purpose of the Test Scenarios

The purpose of these exercises is to help you become familiar with some of new features included in the *Subscriptions* component in ZENworks 11 SP3.

Overview

This features allows the sharing of assignable content objects (ACOs) like bundles and policies across multiple ZENworks zones. The zone which shares the content is known as a *Publisher zone (Publisher)*. Another ZENworks zone which can subscribe to the publisher zone and replicate the shared content to its own zone is known as a *Subscriber zone (Subscriber)*.

Assumptions

- You have followed the instructions for installing ZENworks 11 SP3 by using the *ZENworks 11 SP3 Installation Guide* (<http://www.novell.com/documentation/zenworks113>). You need to install ZENworks on two servers for these exercises.
- You have two zones created, one that will act as a Publisher and the other as a Subscriber.
- You have some bundles and policies created and organized them in a folder structure on the Publisher Zone.

Test Scenarios

Part I: Enabling the Publisher Zone:

1. [Enabling Zone Sharing by selecting a Primary Server as a Publisher](#)
2. [Creating a Subscriber Group, Subscriber key and Sharing the Assignable Content Objects](#)

Part II: Creating and Managing ZENworks Subscriptions:

1. [Registering to a zone](#)
2. [Creating a Subscriber Group, Subscriber key and Sharing the Assignable Content Objects](#)
3. [Replicating Policies, Policy Groups or Policy Folders](#)
4. [Resolving notified replication issues](#)
5. [Re-replicating objects after resolving replication issues](#)

6. [Replicating objects by using the Replicating as a Sandbox Version option](#)
7. [Replication of objects by using Force Content Replication](#)
8. [Replication of objects by using Overwrite Local Modifications](#)

Part I: Enabling the Publisher Zone

Test Scenario #1: Enabling Zone Sharing by selecting a Primary Server as a Publisher

Objective

This scenario will show you how to enable zone sharing by selecting a Primary Server or multiple servers in the zone as a Publisher.

Procedure

1. Log in to ZENworks Control Center.
2. Click *Configuration > Infrastructure Management > Zone Sharing settings*.
3. Click *Sharing Servers > Add*.
4. Select the server by clicking on the Browse icon next to sharing servers.
5. Select the server and click *Ok*.
6. In Add Sharing Server dialog box, click *Ok*.
Perform Step 3 to Step 6 to add multiple servers.
7. Click *Ok*.

Note:

1. After adding a sharing server, the zone administrator can disable the Zone Sharing by selecting the *Suspend zone sharing* box.
2. Adding multiple servers has the following advantages:
 - If the status of a server is busy, then a request from a subscriber can be handled by another server.
 - On a server failure, a request from a subscriber is automatically switched over to another server.
3. When there are multiple sharing servers added, the maximum replication sessions are restricted by running only a specified number of subscriptions.

Expected Results

- All servers in the zone are listed when you click the Browse icon.
- The selected server is added and listed in the Sharing Servers list.
- Multiple servers, if selected are added and listed in the Sharing Servers list.

Test Scenario #2: Creating a Subscriber Group, Subscriber key and Sharing the Assignable Content Objects

Objective

This scenario will enable you to share assignable content objects like bundles and policies for subscribers by creating a Subscriber Group and a Subscriber key.

Procedure

To create a Subscriber Group:

1. Log in to ZENworks Control Center.
2. Click *Subscribe and Share > Zone Sharing*.
3. Click *Subscribers > New > Subscriber Group*.
4. Provide a name for Subscriber Group, then click *Ok*.

To create a Subscriber Key:

1. Log in to ZENworks Control Center.
2. Click *Subscribe and Share > Zone Sharing > Subscriber Key*.
3. Click *New > Subscriber Key*.
4. Create a subscriber key by clicking *Generate*, or provide a custom name as a subscriber key.
5. Click *Group Membership > Add* and select the Subscriber Group that is created.
6. Click *Ok*, then click *Create Key*.

To share the assignable content objects (bundles and policies) to a subscriber group:

1. Log in to ZENworks Control Center.
2. Click *Bundles* and select any bundle.
3. Click the Share tab.
4. In the Assigned Subscribers panel, click *Add* and select the Subscriber Group that is created.

Note: You can follow the above Procedure to share a Bundle Group or Folders.

5. Click *Policies* and select any policy.
6. Click the Share tab.
7. In the Assigned Subscribers panel, click *Add* and select the Subscriber Group that is created.

Note: You can follow the above Procedure to share a Policy Group or Folders.

Expected Results

- A Subscriber Group is created.
- A Subscriber Key is created.
- A Subscriber Group is assigned to a Subscriber Key.
- Bundles are shared to a Subscriber Group.
- Policies are shared to a Subscriber Group.

Part II: Creating and Managing ZENworks Subscriptions

Test Scenario #1: Registering to a zone

Objective

This scenario will enable you to create a ZENworks Subscription, a subscriber has to register to a zone by using the Publisher zone server address and a Subscriber Key.

Note: Before you register a subscriber to a zone, ensure that you have the Publisher zone server address and Subscriber keys shared by the Publisher zone administrator.

Procedure

1. Log in to ZENworks Control Center.
2. Click *Subscriber and Share*.
3. In the Subscriptions tab, click *New > Subscription*.
4. Select *ZENworks Subscription* and click *Next*.
5. Provide a name for *ZENworks Subscription* and click *Next*.
6. Click *Register with a Zone*.
7. Provide the server address of the Publisher zone.
8. Provide the Subscriber key shared by the Publisher zone administrator and click *Connect*.
You can view certificate by clicking on the *View* link.
9. Click *Register*.
10. Click *Next* and complete the wizard with default settings.

Expected Results

- Connection with the Publisher zone is successful.
- Registration with the Publisher zone is successful.

Logs

If you are unable to successfully perform the procedure, send us the following file:

- *loader-messages.log*

Test Scenario #2: Replicating Bundles, Bundle Groups, or Bundle Folders

Objective

This scenario will enable you to replicate Bundles and Bundle Groups from Publisher zone to Subscriber zone.

Note: Ensure that the Publisher zone has Bundles and Bundle Groups organized in folders and shared to a Subscriber or a Subscriber Group.

Procedure

1. Log in to ZENworks Control Center.
2. Click *Subscribe and Share*.
3. In the Subscriptions tab, click *New > Subscription*.
4. Select *ZENworks Subscription* and click *Next*.
5. Provide a name for the ZENworks Subscription and click *Next*.
6. Select a zone by clicking the *Registered Zones* drop-down list.
7. Click *Next*.
8. If you have selected Bundles for download, then select Bundles or Bundle group listed under Bundles Selection section.
9. Click *Next*.
10. Click the ZENworks Subscription that is created.
11. In the Summary page, click the *Run Now* link.

Expected Results

- Shared bundles are selected and bundles or a bundle group is selected for download.
- ZENworks Subscription runs successfully.
- After running the newly created ZENworks Subscription, the download/replicate bundle action is successful.
- Replicated bundle is listed in the Bundles page.

Logs

If you are unable to successfully perform the procedure, send us the following file:

- *loader-messages.log*

Copy and send the Subscription log details while the Subscription is in progress.

Test Scenario #3: Replicating Policies, Policy Groups, or Policy Folders

Objective

This scenario will enable you to replicate Policies and Policy groups from Publisher zone to Subscriber zone.

Note: Ensure that the Publisher zone has policies and policy groups organized in folders.

Procedure

1. Log in to ZENworks Control Center.
2. Click *Subscribe and Share*.
3. In the Subscriptions tab, click *New > Subscription*.
4. Select *ZENworks Subscription*, and click *Next*.
5. Provide a name for the ZENworks Subscription and click *Next*.
6. Select a zone by clicking the *Registered Zones* drop-down list.
7. Click *Next*.
8. Select Policies for download.
9. Select shared policies listed in the Policy Selection section.
10. Click *Next* and complete the instructions in the wizard.
11. Click the ZENworks Subscription created.
12. In the Summary page click the *Run Now* link.

Expected Results

- Shared policies are selected for download.
- ZENworks Subscription runs successfully
- After running the newly created ZENworks Subscription, the download/replicate policy action is successful.
- Replicated Policy is listed in the Policies page.

Logs

If you are unable to successfully perform the procedure, send us the following file:

- *loader-messages.log*

Copy and send the Subscription log file while the subscription is in progress.

Test Scenario #4: Resolving notified replication issues

Objective

This scenario will enable you to resolve the issues reported after replicating the selected objects for undefined references and variables configured at publisher zone.

Note: Ensure that the Publisher zone has bundles or policies which are associated with undefined references and variables.

Prerequisites

Define a Bundle or a Policy with undefined references such as 'Bundle Installed' and 'Specified Devices':

1. In ZENworks Control Center, click *Bundles*.
2. Select any bundle and click *Requirements*.
3. Click *Add Filter* and select *Bundle Installed* and *Specified Devices*.
4. Apply and publish the bundle.

Define a Bundle or a Policy with variables:

1. In ZENworks Control Center, click *Bundles*.
2. Select any bundle and click *Settings > System Variables*.
3. Define a system variable and use the defined system variable in *Bundle > Actions*.
4. Apply and Publish the bundle.

Procedure

To resolve the notified replication issues:

1. Log in to ZENworks Control Center.
2. Click *Subscribe and Share*.
3. Click *New > Subscription*.
4. Select *ZENworks Subscription* and click *Next*.
5. Provide a name for the ZENworks Subscription and click *Next*.
6. Select a zone by clicking on the *Registered Zones* drop-down list.
7. Click *Next*.
8. Select the shared Bundles which has undefined references and variables.

9. Select the shared Policies which has undefined references and variables.
10. Click Next.
11. Click on the created ZENworks Subscription and click on the *Run Now* link.
12. After the execution of the ZENworks Subscription, click the Replication Issues tab.

To modify the reported issues:

1. Resolve the issues by modifying the reported issues
2. Set available Bundle for Bundle Install issue
3. Set available device for Specified device issue
4. Set correct value for variable issue

Expected Results:

- After replication all undefined references and variables are notified as an Issues
- Resolving Bundle Install issues should get succeeds
- Resolving Specified Device issues should get succeeds
- Resolving variables issues should get succeeds

Logs

If you are unable to successfully perform the procedure, send us the following file:

- *loader-messages.log*

Test Scenario #5: Re-replicating objects after resolving replication issues

Objective

This scenario will enable you to update the replicated objects with modified values upon re-replication.

Procedure

1. Log in to ZENworks Control Center.
2. Click *Subscribe and Share*.
3. Click the ZENworks Subscription that is created, then click the *Run Now* link.
4. After the execution of ZENworks Subscription, click the Replication Issues tab.
5. Click the *Show Resolved Issues* link.

Expected Results

- There are no issues listed in the Replication Issues tab.
- Clicking the *Show Resolved Issues* link lists all resolved issues.

Logs

If you are unable to successfully perform the procedure, send us the following file:

- *loader-messages.log*

Test Scenario #6: Replicating objects by using the Replicating as a Sandbox Version option

Objective

This scenario will enable you to replicate a shared bundle or policy directly as a sandbox version to enable testing it on your device before assigning.

Procedure

1. Log in to ZENworks Control Center.
2. Click *Subscribe and Share*.
3. Create a new ZENworks Subscription.
4. Select shared bundles for download.
5. Select shared policies for download.
6. Click *Bundles* and check the version.
7. Click *Policies* and check the version.

Expected Results

- The Sandbox version of the replicated bundles is created.
- The Sandbox version of the replicated policies is created.

Logs

If you are unable to successfully perform the procedure, send us the following file:

- *loader-messages.log*

Test Scenario #7: Replicating objects by using the Force Content Replication option

Objective

This scenario will enable you to re-download the objects from the repository if they are corrupted on the Subscriber zone and replicating them by using Force Content Replication.

Procedure

1. Log in to ZENworks Control Center.
2. Click *Subscribe and Share*.
3. Click the ZENworks Subscription that is created.
4. Select the *Force Content Replication* box, then click the *Run Now* link.

Expected Results

Bundles or Policies are re-replicated in the Subscriber zone regardless of the version.

Logs

If you are unable to successfully perform the Procedure, send us the following file:

- *loader-messages.log*

Test Scenario #8: Replication of objects by using the Overwrite Local Modifications option

Objective

This scenario will enable you to overwrite the locally modified objects to resemble the Publisher objects.

Procedure

1. Log in to ZENworks Control Center.
2. Click *Subscribe and Share*.
3. Click the ZENworks Subscription that is created.
4. Run the ZENworks Subscription.
5. Modify the locally replicated bundles or policies and publish the same.
6. In the Summary tab, set the option to *Overwrite Local Modifications*.
7. Run the ZENworks Subscription.

Expected Results

- All modification to bundles or policies are effective.
- Re-running the modified bundles or policies overwrites the local objects based on the publisher zone objects.

Logs

If you are unable to successfully perform the Procedure, send us the following file:

- *loader-messages.log*