

API Plugin Deployment Instructions

Use case: View Solarwinds data on NetBrain Map

Vendor: Solarwinds

Version: 7.1a

Prerequisite

1. Complete the pre-deployment checklist



Deployment procedure

0. Import attached Orion SDK python library into NetBrain
1. Create 2 API Plugin in the system management.
2. Set up 2 API Server Manager in domain management.

Step 0. Import attached Orion SDK python library into NetBrain







Transfer “Orion.zip” file to every instance of front server.

Unzip the attached of previous mail file and find the following folders

-  orionsdk
-  orionsdk-0.0.6.dist-info

Paste the folders in the following directory of every front server

C:\Program Files\NetBrain\Front Server\resource\Lib\site-packages

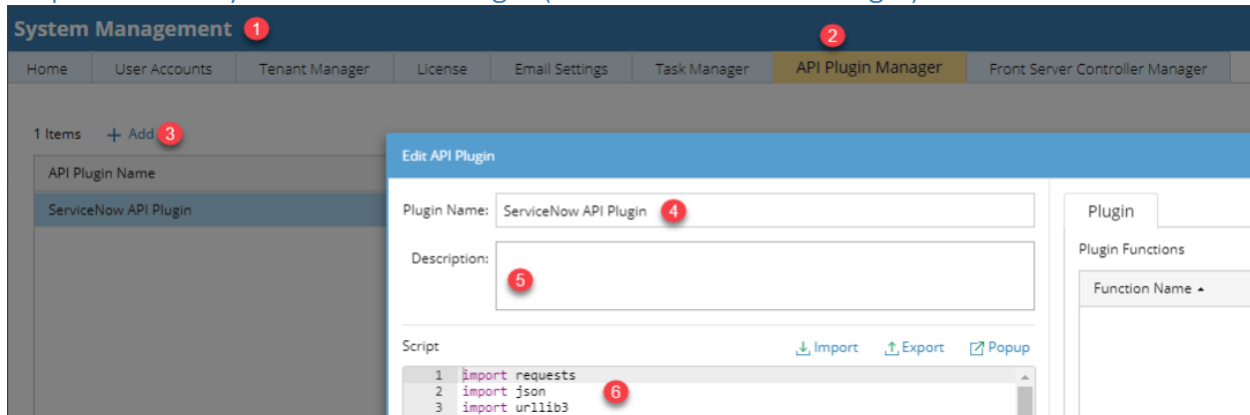
Name	Date modified	Type	Size
 orionsdk	9/20/2017 11:37 AM	File folder	
 orionsdk-0.0.6.dist-info	9/20/2017 11:37 AM	File folder	
 requests	8/29/2017 12:28 PM	File folder	
 requests-2.14.2.dist-info	8/28/2017 4:29 PM	File folder	
 netbrain.pth	8/24/2016 2:06 PM	PTH File	1 KB
 README	6/27/2017 4:33 AM	File	1 KB

To test the deployment above, we have built a “Solarwinds Test Plugin”. This test plugin should be deployed along with main Solarwinds plugin.

Hence you will see 2 plugin deployment below:

1. Solarwinds Test Plugin
2. Solarwinds Plugin

Step 1: Create System-level API Plugin (for Solarwinds Test Plugin)

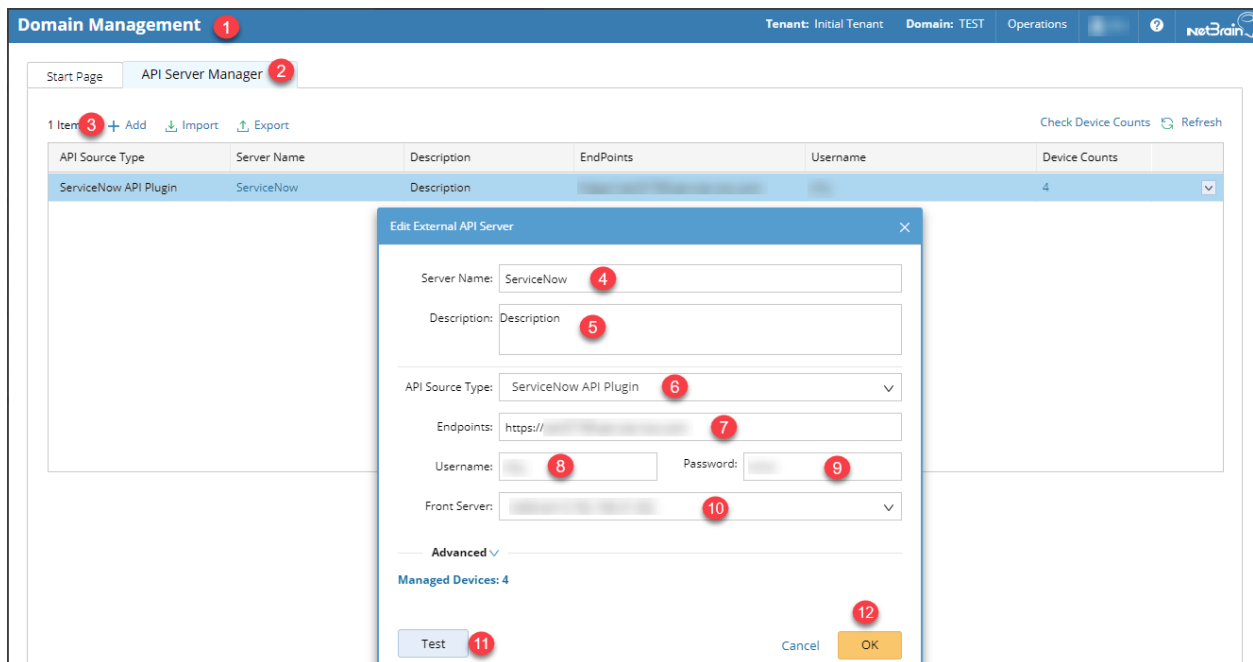


Navigate to API Plugin Manager:

1. Login NetBrain System Management page at http://<your_server>/admin.html
2. Click "API Plugin Manager".
3. Click "Add" to create a new API Plugin template.
4. Input Plugin name.
5. Input Description.
6. Paste the attached python script in the script window.

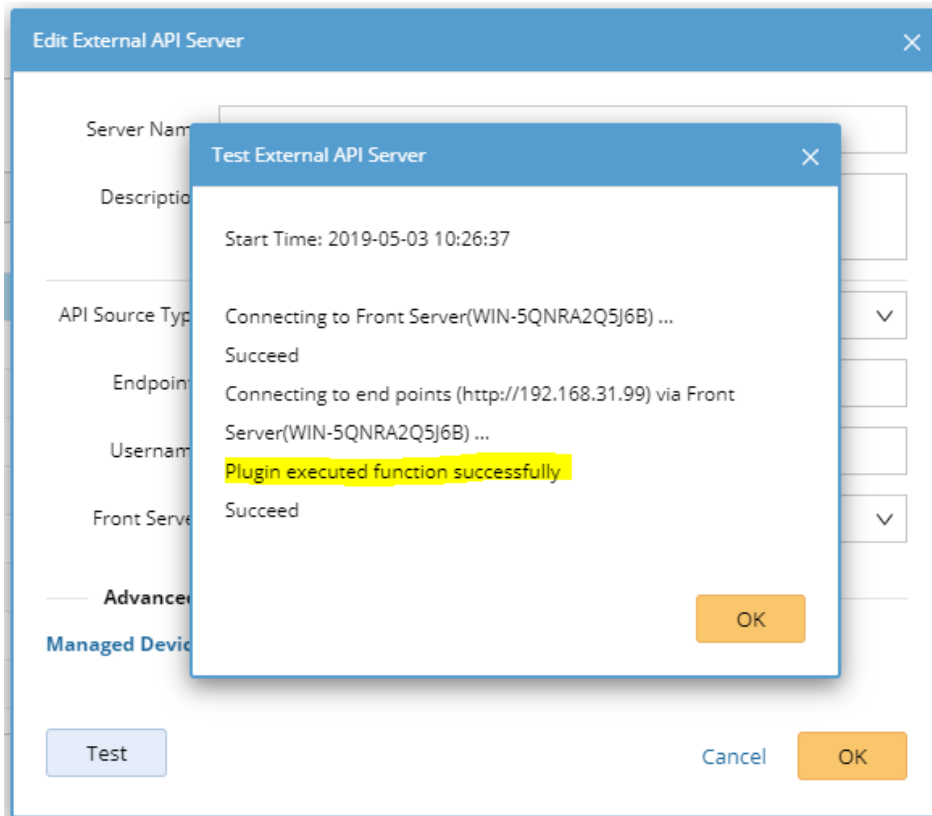
Step 2: Set up API Server Manager (for Solarwinds Test Plugin)

(One API server for plugin added above)

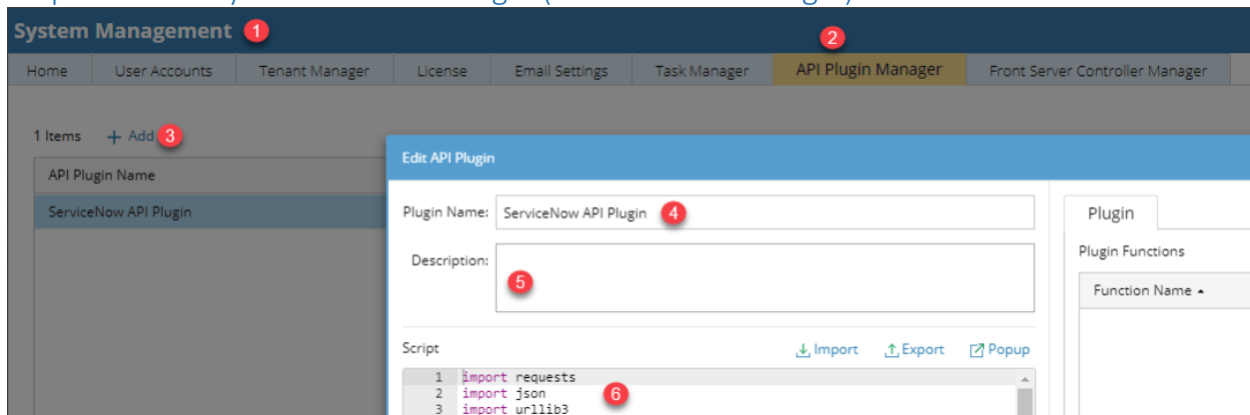


1. Login NetBrain Domain Management at http://<your_server>/domainAdmin.html
2. Find "API Server Manager" under "Operations".
3. Click "Add" to create a new API Plugin template.
4. Input Server Name.
5. Input Description.
6. Select the API Plugin you created.
7. Input SOLARWINDS host url (like <http://192.168.31.92>).
8. Input SOLARWINDS login username.
9. Input SOLARWINDS login password.
10. Select NetBrain Front Server which can connect with SOLARWINDS.
11. Click "Test" button to execute pre-defined test function in API Plugin Script (`_test(param)`).
12. Click "Ok" to add the API Server.

Successful result of "Solarwinds Test" Plugin would like below:



Step 3: Create System-level API Plugin (for Solarwinds Plugin)



Navigate to API Plugin Manager:

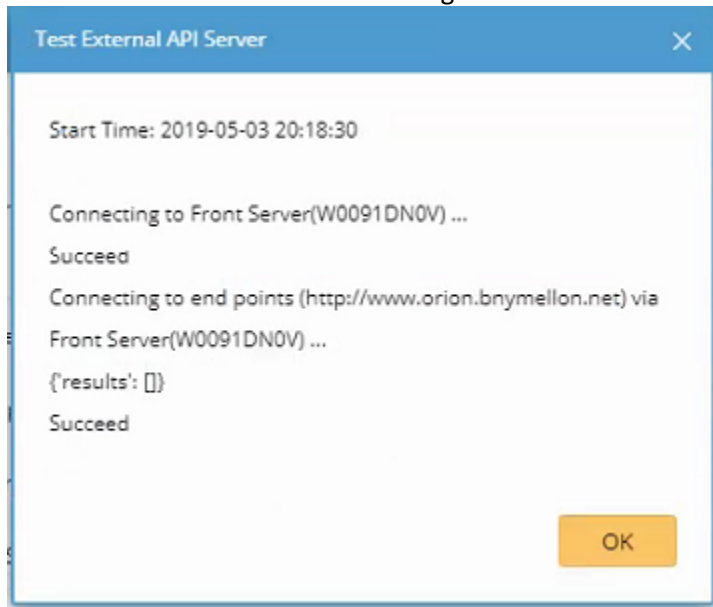
1. Login NetBrain System Management page at http://<your_server>/admin.html
2. Click "API Plugin Manager".
3. Click "Add" to create a new API Plugin template.
4. Input Plugin name.
5. Input Description.
6. Paste the attached python script in the script window.

Step 4: Set up API Server Manager (for Solarwinds Plugin)

The screenshot shows the NetBrain Domain Management interface. The top navigation bar includes 'Domain Management' (1), 'Tenant: Initial Tenant', 'Domain: TEST', 'Operations', and the NetBrain logo. The main content area has a 'Start Page' tab and an 'API Server Manager' tab (2). Below the tabs, there's a table with columns: API Source Type, Server Name, Description, EndPoints, Username, and Device Counts. A single row is visible with 'ServiceNow API Plugin' as the source type and 'ServiceNow' as the server name. Above the table are buttons for '+ Add' (3), 'Import', and 'Export'. To the right of the table are links for 'Check Device Counts' and 'Refresh'. An 'Edit External API Server' dialog box is open in the foreground. It contains the following fields: 'Server Name' (4) with 'ServiceNow' entered, 'Description' (5) with 'Description' entered, 'API Source Type' (6) with 'ServiceNow API Plugin' selected, 'Endpoints' (7) with 'https://' entered, 'Username' (8) and 'Password' (9) fields, and 'Front Server' (10) with a dropdown menu. Below these fields is an 'Advanced' section with 'Managed Devices: 4'. At the bottom of the dialog are 'Test' (11), 'Cancel', and 'OK' (12) buttons.

1. Login NetBrain Domain Management at http://<your_server>/domainAdmin.html
2. Find "API Server Manager" under "Operations".
3. Click "Add" to create a new API Plugin template.
4. Input Server Name.
5. Input Description.
6. Select the API Plugin you created.
7. Input SOLARWINDS host url (like <http://192.168.31.92>).
8. Input SOLARWINDS login username.
9. Input SOLARWINDS login password.
10. Select NetBrain Front Server which can connect with SOLARWINDS.
11. Click "Test" button to execute pre-defined test function in API Plugin Script (`_test(param)`).
12. Click "Ok" to add the API Server.

Successful result of “Solarwinds” Plugin would like below:



Common errors

1. Connectivity: unable to reach tool URL from NetBrain's front server
2. Incorrect username and password are entered
3. Issues while entering the endpoint URL ex:
 - a. http or https is incorrectly entered
 - i. For Solarwinds, http should be entered even if it's https
 - b. "/" is incorrectly added at the end of URL

Contact Support

If above test is unsuccessful, please submit following:

1. Screenshot of API server
2. Screenshot of tool login page from front server