

Prerequisites

Before deploying or upgrading a SPDT iApp in the BIG-IP, you should ensure the following:

1. Your BIG-IP version is 12.1.0 or later, with the LTM Module provisioned and licensed.
2. You have backed up the BIG-IP configuration as described here: [Backing up your BIG-IP system configuration](#).

How to deploy a SPDT iApp in the BIG-IP

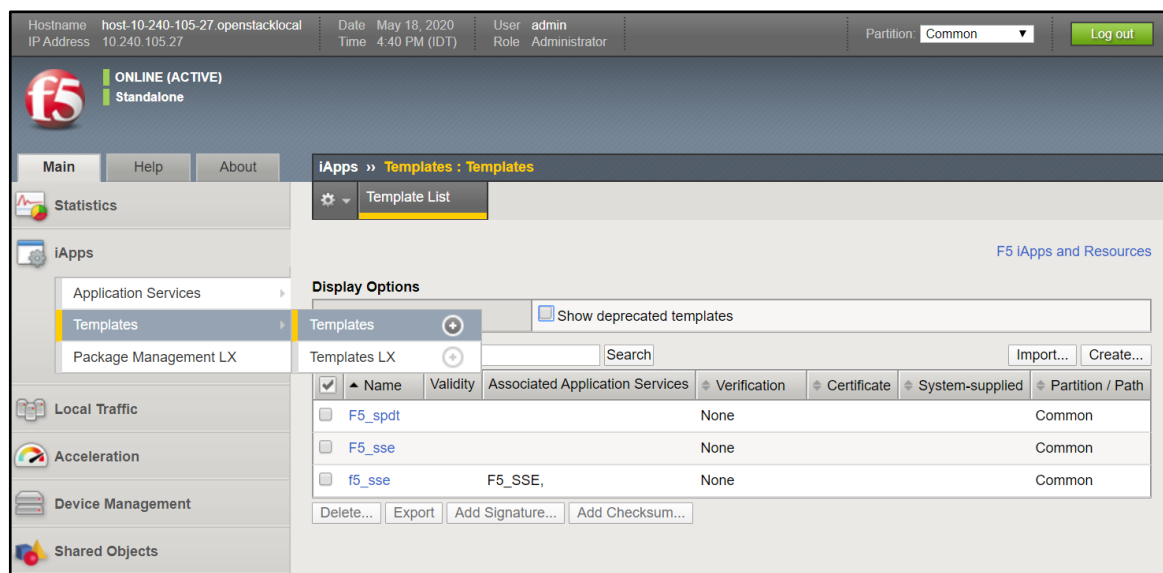
You deploy a SPDT iApp in the BIG-IP in two stages:

1. Import the iApp template that you received from F5 to the BIG-IP.
2. Create the iApp in the BIG-IP, based on the template you imported.

The steps for performing these two stages are described below.

Import the template to the BIG-IP

1. In the Main tab in the BIG-IP, go to **iApps>Templates>Templates**.



2. Click **Import**.
3. Click Choose File.
4. Select the template file provided to you from F5.
5. Click the check box next to Overwrite Existing Templates.
6. Click **Upload**.

The F5 template is now displayed in the list of templates.

Create the iApp in the BIG-IP

1. In the Main tab in the BIG-IP, go to **iApps>Application Services>Applications**.
2. Click **Create**.

The New Application Service screen appears.

The screenshot shows the 'New Application Service' configuration window. The left sidebar contains a tree view with categories: Main, Help, About, iApps, Application Services, Templates, Package Management LX, Local Traffic, Acceleration, Device Management, Shared Objects, Security, Network, and System. The main panel is titled 'iApps » Application Services : Applications » New Application Service...'. It contains several sections: 'Template Selection' with a dropdown set to 'Basic' and a 'Name' field; 'Shape SPDT iApp Template' with a 'Template Version' of '1.0.0'; 'SPDT pool configuration' with fields for 'SPDT's traffic mirroring interface IP', 'SPDT Pool name' (set to 'SPDT_Pool'), and 'Add ICMP Health Check' (set to 'No'); 'Virtual Server Configuration' with a note about HTTP profiles and a dropdown for 'Application Virtual Server to mirror traffic to SPDT' (set to 'https_vs'); and 'Advanced Options' with a dropdown for 'Show advanced options' (set to 'No'). At the bottom are 'Cancel', 'Repeat', and 'Finished' buttons.

3. Assign a name to the iApp.
4. From the Template list, select the template that you imported.
5. For the F5_spdt template, assign values for the following settings:
 - **SPDT's traffic mirroring interface IP:** Enter the traffic mirroring interface IP of your SPDT.
Note: A wildcard IP cannot be used.
 - **SPDT Pool name:** Enter the SPDT pool name that you want the virtual server to use or use the default SPDT_Pool.
Note: Special characters cannot be used in the SPDT Pool name.
 - **Add ICMP Health Check:** Choose whether to perform the ICMP Health Check for pool members. The ICMP Health Check is performed in intervals of 45 seconds.
 - **Application Virtual Server to mirror traffic to SPDT:** Select the virtual server of your application. Once the virtual server is selected, all traffic that goes through this virtual server mirrors to the SPDT system.

Note: If an HTTP profile is not attached to the virtual server you select here, the iApp will attach it automatically.

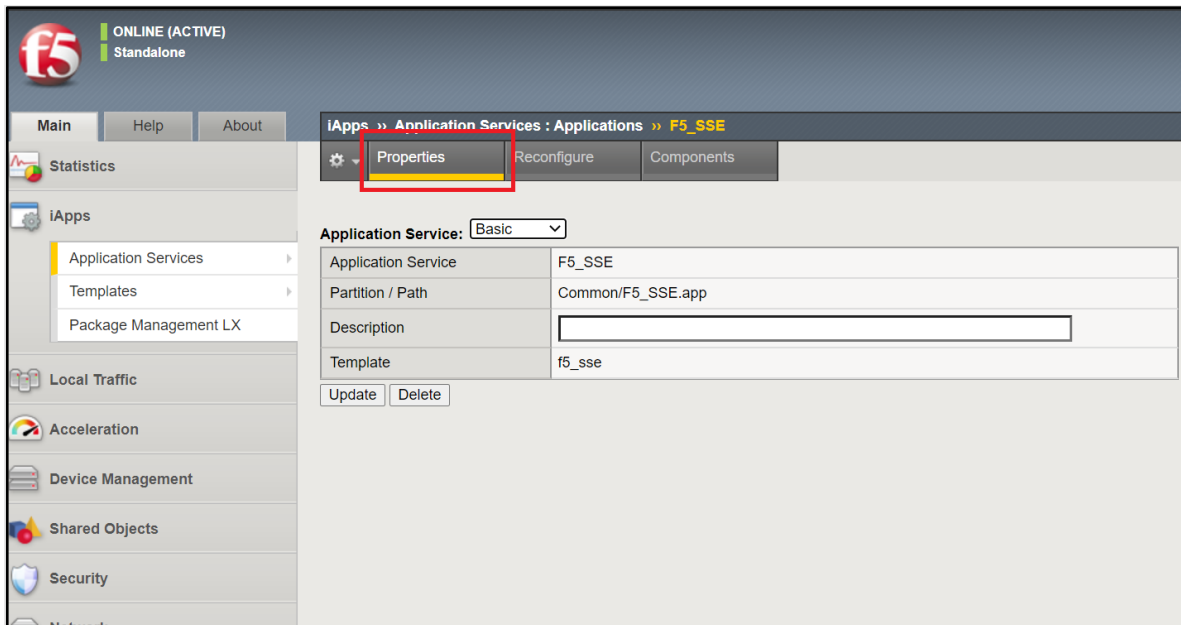
6. You can also set advanced options by selecting **Yes** by Show advanced options. You can set the following advanced options:
 - Encrypting Virtual Server IP: This IP is used for internal routing when the virtual server is configured with a server-side SSL profile. This must be a none-routable IP.
 - Rewrite XFF header with Connecting IP: Select **Yes** to add an XFF header to requests.
7. Click **Finished**.

Disabling Strict Updates

After you initially create the iApp in the BIG-IP, by default the iApp is created so that you cannot make any configuration changes to the components of the iApp, such as iRules, pool members, and pool nodes.

You can change this default setting so that you can make changes to the iApp's components as follows:

1. In the Main tab in the BIG-IP, go to **iApps>Application Services>Applications**.
2. In the iApp list, click on the iApp.
3. Click on the **Properties** tab.

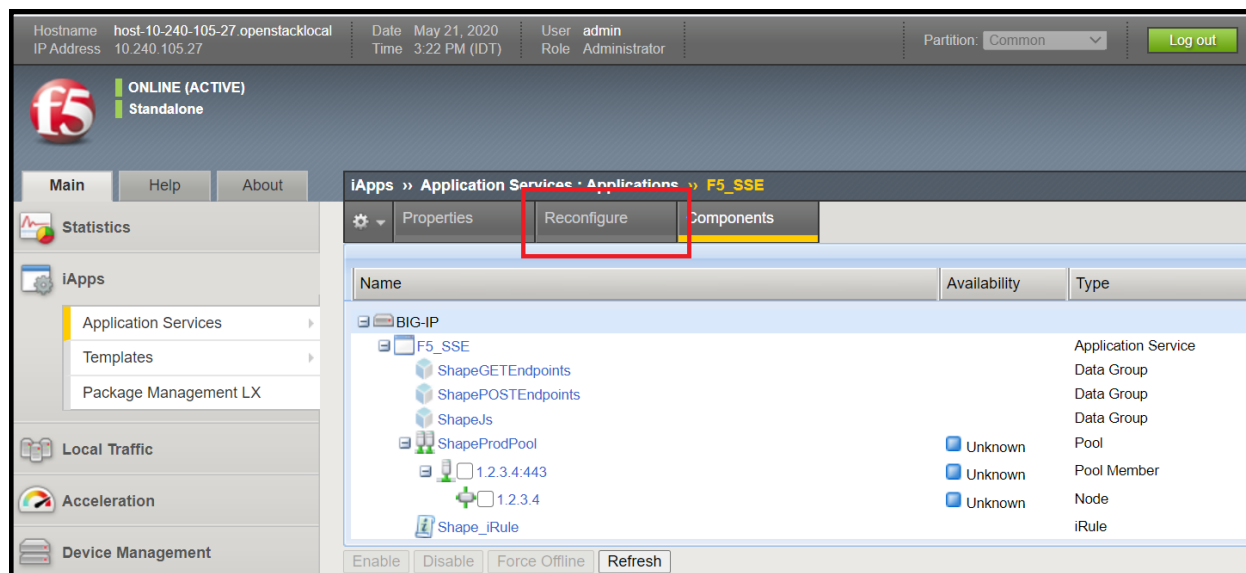


4. At Application Service, select **Advanced**.
5. For Strict Updates, remove the check in the check box.
6. Click **Update**.

How to upgrade an iApp with a new template

If you have an existing iApp and want to upgrade it with a new template, follow these instructions:

1. Import the new template to the BIG-IP, as explained in [Import the template to the BIG-IP](#).
2. In the Main tab in the BIG-IP, go to **iApps>Application Services>Applications**.
3. In the iApp list, click on the iApp that you want to upgrade.
4. Click on the **Reconfigure** tab (see below).



5. Click **Change**, next to the Template setting.
6. From the drop-down template list, select the new template that you imported.
7. For the F5_spdt template, assign values for the following settings:
 - **SPDT's traffic mirroring interface IP:** Enter the traffic mirroring interface IP of your SPDT.
Note: A wildcard IP cannot be used.
 - **SPDT Pool name:** Enter the SPDT pool name that you want the virtual server to use or use the default SPDT_Pool.
Note: Special characters cannot be used in the SPDT Pool name.
 - **Add ICMP Health Check:** Choose whether to perform the ICMP Health Check for pool members. The ICMP Health Check is performed in intervals of 45 seconds.

- **Application Virtual Server to mirror traffic to SPDT:** Select the virtual server of your application. Once the virtual server is selected, all traffic that goes through this virtual server mirrors to the SPDT system.

Note: If an HTTP profile is not attached to the virtual server you select here, the iApp will attach it automatically.

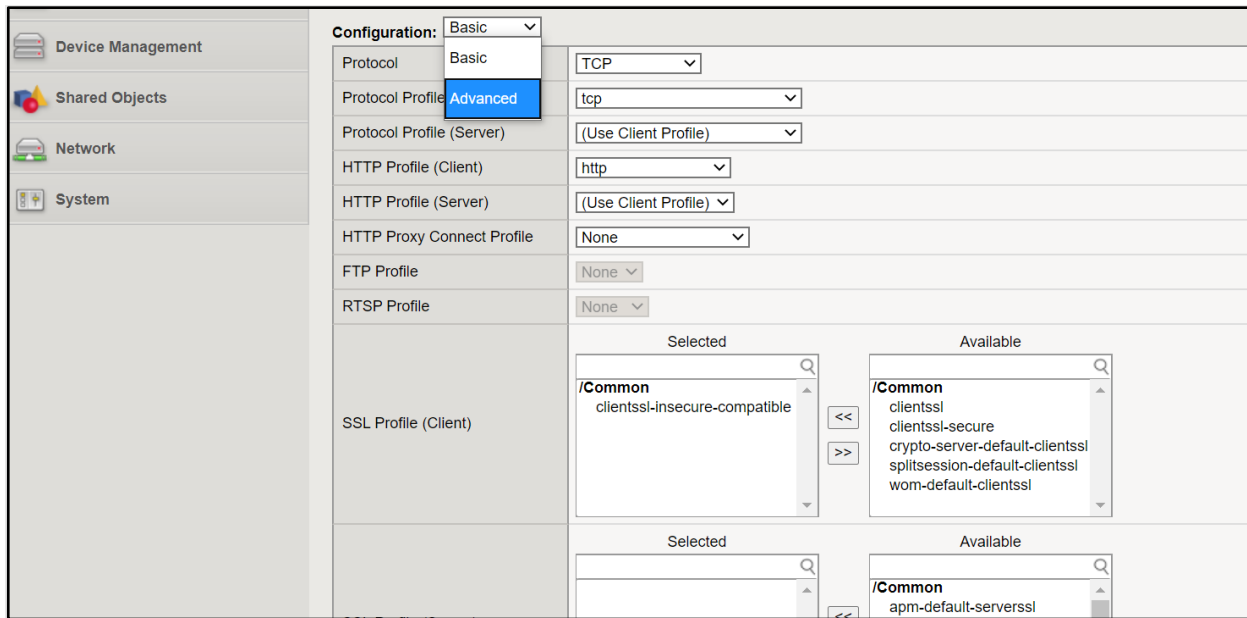
8. You can also set advanced options by selecting **Yes** by Show advanced options. You can set the following advanced options:
 - **Encrypting Virtual Server IP:** This IP is used for internal routing when the virtual server is configured with a server-side SSL profile. This must be a none-routable IP.
 - **Rewrite XFF header with Connecting IP:** Select **Yes** to add an XFF header to requests.
9. Click **Finished**.

How to delete an iApp with a non-secured web server (HTTP)

Note: If you have a BIG-IP configuration backup, you do not need to perform the steps in this section, and you can delete your iApp by performing the steps described here: [Restoring your BIG-IP system configuration](#).

If you do not have a BIG-IP configuration backup, perform the following steps to delete your iApp for a non-secured web server (HTTP):

1. In the Main tab in the BIG-IP, go to **Local Traffic>Virtual Servers>Virtual Server List**.
2. In the Virtual Server List, choose the virtual server that your iApp is using.
The Virtual Server Properties screen appears.
3. Scroll down to the Configuration section and select **Advanced**.



4. Scroll down to the Clone Pool (Server) setting and select **None** from the drop-down list.
Note: This removes the cloned pool from the Virtual Server.
5. Click **Update** at the bottom of the screen.
6. In the Main tab in the BIG-IP, go to **iApps>Application Services>Applications**.
7. In the iApp list, select the check box next to the iApp that you want to delete.
8. Click **Delete**.
9. In the Main tab, go to **Local Traffic>Nodes>Node List** and delete the SPDT's traffic mirroring interface IP from the list.

How to delete an iApp with a secured web server (HTTPS)

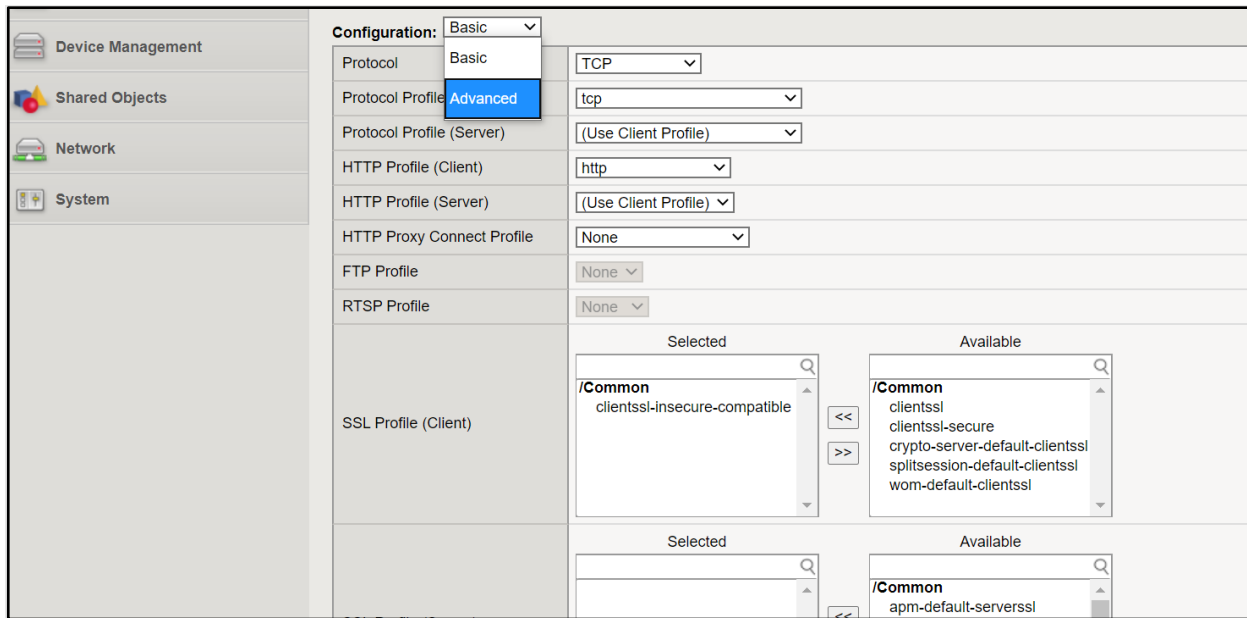
Note: If you have a BIG-IP configuration backup, you do not need to perform the steps in this section, and you can delete your iApp by performing the steps described here: [Restoring your BIG-IP system configuration](#).

If you do not have a BIG-IP configuration backup, perform the following steps to delete your iApp for a secured web server (HTTPS):

1. In the Main tab in the BIG-IP, go to **Local Traffic>Virtual Servers>Virtual Server List**.
2. In the Virtual Server List, choose the Virtual Server that your iApp is using.

The Virtual Server Properties screen appears.

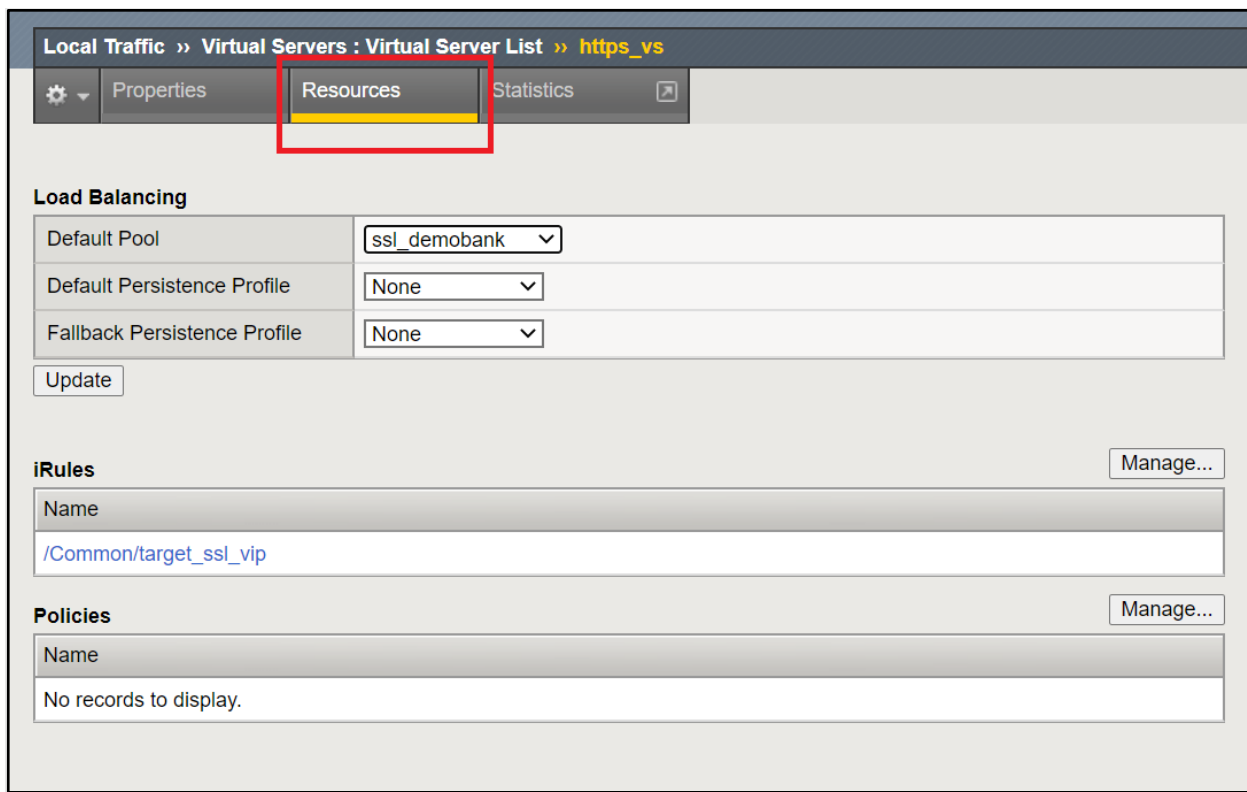
3. Scroll down to the Configuration section and select **Advanced**.



4. Scroll down to the Clone Pool (Server) setting and select **None** from the drop-down list.

Note: This removes the cloned pool from the Virtual Server.

5. Click **Update** at the bottom of the screen.
6. Click the **Resources** tab at the top of the page.



7. In the iRules section, click **Manage**.

The Resource Management screen appears.

8. In the Enabled section, select **target_ssl_vip** and move it to the Available section.
9. Click **Finished**.
10. In the Main tab in the BIG-IP, go to **iApps>Application Services>Applications**.
11. In the iApp list, select the check box next to the iApp that you want to delete.
12. Click **Delete**.
13. In the Main tab, go to **Local Traffic>Nodes>Node List** and delete the SPDT's traffic mirroring interface IP from the list.