



Persysistent Suite 6.0

CHANGING IP ADDRESS OF PERSYSIDENT SERVER

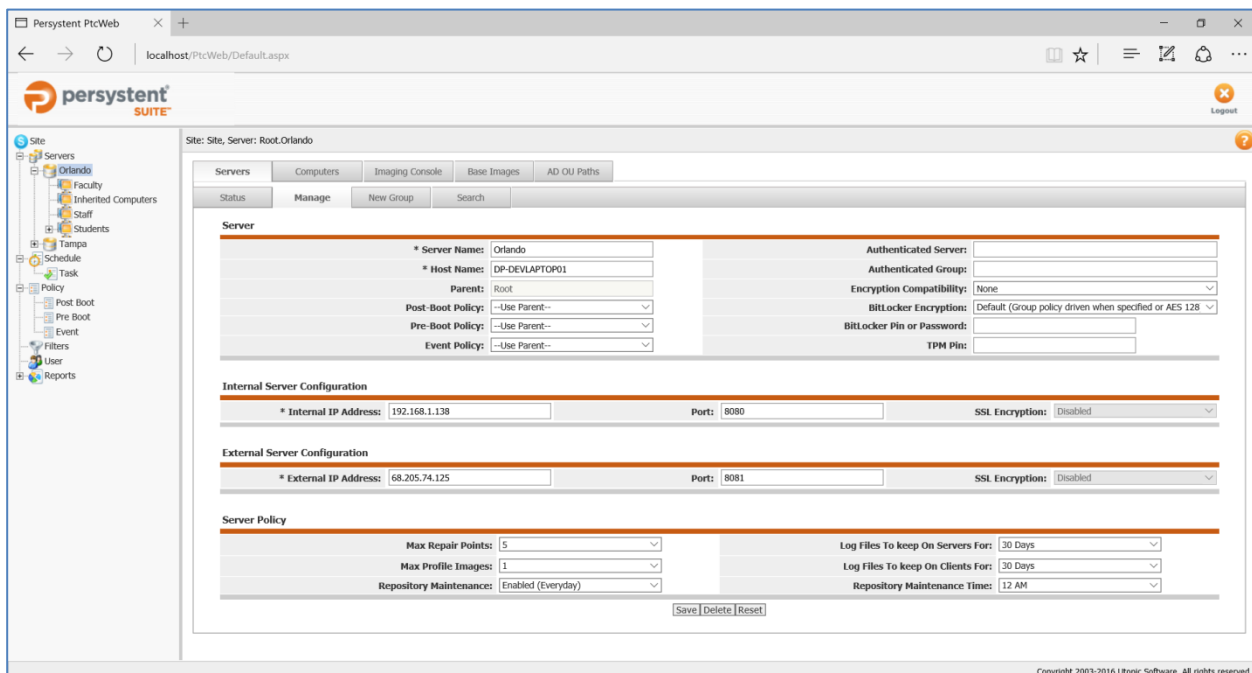
Overview

It is important to have a static IP Address for Persysistent Server. Change may require manual intervention to update the IP address for Persysistent Server on the server as well as Persysistent machines in the environment.

Changing IP Address on the Persysistent WebUI

Here are the steps to update the IP address on Persysistent WebUI:

1. Launch WebUI.
2. Click on the Persysistent Server on the left hand side tree.
3. Click on the “Manage” tab.
4. Update the IP Address



The screenshot displays the Persysistent WebUI interface. On the left, a navigation tree shows the hierarchy: Site > Servers > Orlando > Faculty > Inherited Computers > Staff > Students. The main content area is titled 'Site: Site, Server: Root.Orlando' and contains several configuration sections:

- Server Configuration:** Fields for * Server Name (Orlando), * Host Name (DP-DEVLAPTOP1), Parents (Root), Post-Boot Policy, Pre-Boot Policy, and Event Policy. It also includes fields for Authenticated Server, Authenticated Group, Encryption Compatibility (None), BitLocker Encryption (Default), BitLocker Pin or Password, and TPM Pin.
- Internal Server Configuration:** * Internal IP Address (192.168.1.138), Port (8080), and SSL Encryption (Disabled).
- External Server Configuration:** * External IP Address (68.205.74.125), Port (8081), and SSL Encryption (Disabled).
- Server Policy:** Max Repair Points (5), Max Profile Images (1), Repository Maintenance (Enabled (Everyday)), Log Files To keep On Servers For (30 Days), Log Files To keep On Clients For (30 Days), and Repository Maintenance Time (12 AM).

At the bottom of the configuration area, there are buttons for 'Save', 'Delete', and 'Reset'. A copyright notice at the bottom right reads: 'Copyright 2003-2016 Utopic Software. All rights reserved.'

5. Click “Save” to save the changes.



Update IP Address on Persysnt Server configuration file

Here are the steps to update the IP address on Persysnt Server configuration file:

1. Stop **Persysnt Repository Service** on the Persysnt Server.
2. Browse to: **C:\Program Files\Utopic Software\Server** on the Persysnt Server.
3. Open **Persysnt.RepositoryService.exe.config** file in notepad.
4. Update the IP Address in two sections of the config file very carefully.

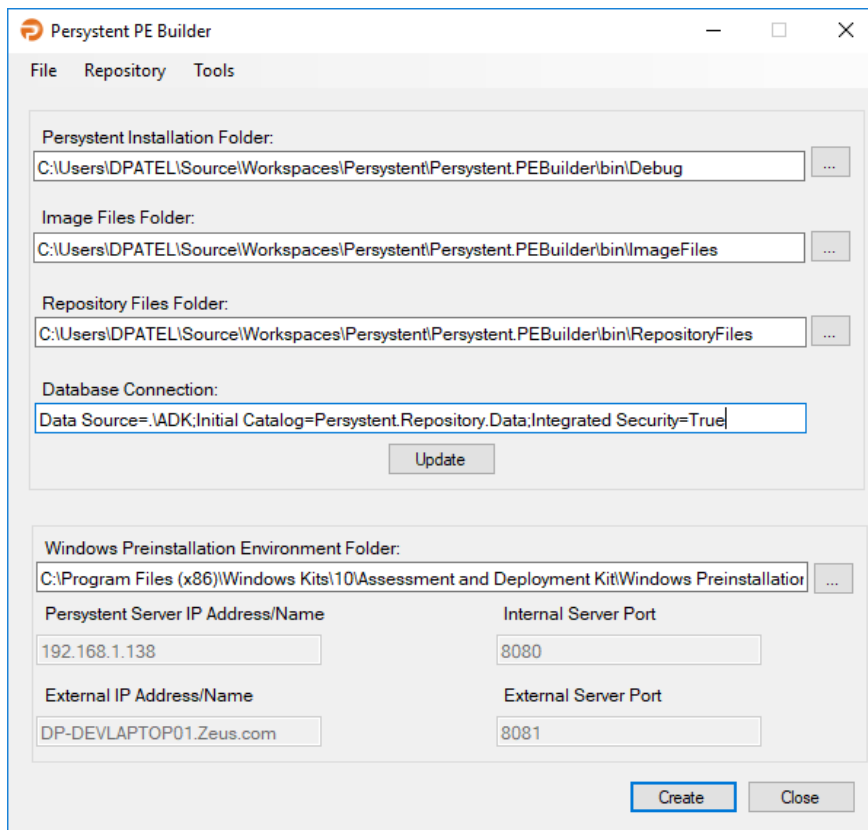
```
<services>
  <service behaviorConfiguration="ThrottleUp" name="Persysnt.RepositoryService.StreamingRepositoryService">
    <endpoint address="http://192.168.1.138:8080/StreamingRepositoryService"
      binding="customBinding" bindingConfiguration="Streaming" name=""
      contract="Persysnt.ClientContracts.IStreamingRepositoryService">
      <identity>
        <userPrincipalName value="" />
      </identity>
    </endpoint>
  </service>
  <service name="Persysnt.RepositoryService.RepositoryService">
    <endpoint address="http://192.168.1.138:8080/RepositoryService" binding="basicHttpBinding"
      bindingConfiguration="basicHttpBindingLargeMessage" name=""
      contract="Persysnt.RepositoryService.IRepositoryService">
      <identity>
        <userPrincipalName value="" />
      </identity>
    </endpoint>
  </service>
</services>
```

5. Save and close the file.
6. Start **Persysnt Repository Service** on the Persysnt Server.
7. Verify that the service is started and verify the service logs to make sure there aren't any errors.

Update Persysntent PE Boot Image

Here are the steps to update Persysntent PE boot image:

1. Run **Persysntent.PEBuilder.exe** as an administrator from **C:\Program Files\Utopic Software\Server\PE Builder**.



2. Ensure the **Persysntent Server IP Address/Name** field contains the correct IP address or hostname of the Persysntent server. If necessary, enter the correct IP address or the hostname.
3. Ensure the **Persysntent Server Port** field contains the correct port configured during installation. If necessary, enter the correct port.
4. Click **Create**.
5. The PE image is being created. This may take some time, wait for it to finish.
6. Click **OK**.
7. PE Image is updated with the drivers. You will need to recreate Persysntent bootable USB, CD or DVD if you are using it to boot computers to Persysntent. If you are using PXE boot then follow the steps in the next section to update Persysntent Boot Image in Windows Deployment Service.

Update Persistent PE Boot Image in Windows Deployment Services

Windows Deployment Services (WDS) is used to answer PXE requests. The boot image needs to be updated in WDS whenever there are changes made to the Persistent PE Boot Image. Here are the steps to update the PE Boot Image in WDS:

Note: This only needs to be done if Windows Deployment Services role is NOT installed on same server as Persistent Server.

1. Launch Windows Deployment Services.
2. In the left pane expand **Servers**, expand the current server, and select the **Boot Images** folder.
3. Delete the current Persistent boot image if exists.
4. Right click the **Boot Images** folder and select **Add Boot Image**.
5. In the **Add Image Wizard** click **Browse**:
 - a. Browse to: **C:\Program Files\Utopic Software\Server\x64**.
 - b. Select the **pewim.wim** image and click **Open**.
 - c. Click **Next**.
 - d. Change the **Image name** and **Image description** to **Persistent PE (x64)**, and then click **Next**.
 - e. Click **Next**, then click **Finish**.

Update IP Address on Persysistent Clients

The new Persysistent Server IP address needs to be updated on the existing machines. This can be done either manually or automatically by using a batch scripts. Here are the steps:

1. Stop **Persysistent Client Service**.
2. Browse to **C:\Windows\Persysistent** on the client machine.
3. Open **Persysistent.ClientService.exe.config** file using Notepad.
4. Update the IP address in **Persysistent.ClientService.exe.config** file.

```
<client>
  <endpoint address="http://192.168.1.138:8080/StreamingRepositoryService"
    binding="customBinding" bindingConfiguration="Streaming" contract="Persysistent.ClientContracts.IStreamingRepositoryService"
    name="IStreamingRepositoryService">
    <identity>
      <userPrincipalName value="" />
      <certificateReference storeName="My" storeLocation="LocalMachine"
        x509FindType="FindBySubjectDistinguishedName" />
    </identity>
  </endpoint>
  <endpoint address="http://192.168.1.138:8080/RepositoryService" binding="basicHttpBinding"
    bindingConfiguration="basicHttpBindingLargeMessage" contract="Persysistent.ClientContracts.IRepositoryService"
    name="IRepositoryService">
    <identity>
      <userPrincipalName value="" />
    </identity>
  </endpoint>

  <endpoint address="http://68.205.74.125:8081/StreamingRepositoryService"
    binding="customBinding" bindingConfiguration="Streaming" contract="Persysistent.ClientContracts.IStreamingRepositoryService"
    name="IStreamingRepositoryService2">
    <identity>
      <userPrincipalName value="" />
      <certificateReference storeName="My" storeLocation="LocalMachine"
        x509FindType="FindBySubjectDistinguishedName" />
    </identity>
  </endpoint>
  <endpoint address="http://68.205.74.125:8081/RepositoryService" binding="basicHttpBinding"
    bindingConfiguration="basicHttpBindingLargeMessage" contract="Persysistent.ClientContracts.IRepositoryService"
    name="IRepositoryService2">
    <identity>
      <userPrincipalName value="" />
    </identity>
  </endpoint>
</client>
```

5. Close and Save the file.
6. Open **Persysistent.PE.exe.config** file using Notepad.
7. Update the IP address in **Persysistent.PE.exe.config** file.

```
<client>
  <endpoint address="http://192.168.1.138:8080/StreamingRepositoryService"
    binding="customBinding" bindingConfiguration="Streaming" contract="Persystem.ClientContracts.IStreamingRepositoryService"
    name="IStreamingRepositoryService" kind="" endpointConfiguration="">
    <identity>
      <userPrincipalName value="" />
      <certificateReference storeName="My" storeLocation="LocalMachine"
        x509FindType="FindBySubjectDistinguishedName" />
    </identity>
  </endpoint>
  <endpoint address="http://192.168.1.138:8080/RepositoryService" binding="basicHttpBinding"
    bindingConfiguration="basicHttpBindingLargeMessage" contract="Persystem.ClientContracts.IRepositoryService"
    name="IRepositoryService">
    <identity>
      <userPrincipalName value="" />
    </identity>
  </endpoint>
  <endpoint address="http://68.205.74.125:8081/StreamingRepositoryService"
    binding="customBinding" bindingConfiguration="Streaming" contract="Persystem.ClientContracts.IStreamingRepositoryService"
    name="IStreamingRepositoryService2" kind="" endpointConfiguration="">
    <identity>
      <userPrincipalName value="" />
      <certificateReference storeName="My" storeLocation="LocalMachine"
        x509FindType="FindBySubjectDistinguishedName" />
    </identity>
  </endpoint>
  <endpoint address="http://68.205.74.125:8081/RepositoryService" binding="basicHttpBinding"
    bindingConfiguration="basicHttpBindingLargeMessage" contract="Persystem.ClientContracts.IRepositoryService"
    name="IRepositoryService2">
    <identity>
      <userPrincipalName value="" />
    </identity>
  </endpoint>
</client>
```

8. Close and Save the file.
9. Start **Persystem Client Service**.
10. Verify that the client is able to communicate with the server.
11. You can simply copy the updated **Persystem.ClientService.exe.config** and **Persystem.PE.exe.config** files to rest of the computers in the environment.

UTOPIC

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