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Deployment Guide Oracle PeopleSoft

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Introduction

Oracle's PeopleSoft applications are designed to address the most complex business requirements. They provide comprehensive business and industry solutions, enabling organizations to increase productivity, accelerate business performance and provide a lower cost of ownership. The Oracle PeopleSoft Enterprise Suite covers a wide range of applications including Financial Management (FM), Human Capital Management (HCM), Service Automation and Supplier Relationship Management (SRM).

To improve performance and provide High Availability (HA), Oracle PeopleSoft supports using a hardware or software load balancer. The LoadMaster can be used to load balance Oracle PeopleSoft.

Prerequisites

Some prerequisites to be aware of before configuring the LoadMaster are listed below:

- PeopleSoft must be set up and appropriately configured for it to work with a load balancer. For further information, refer to the Oracle documentation.
- If using **SSL Acceleration**, ensure to obtain the appropriate SSL certificate and key and install it on the LoadMaster. For more information, refer to the SSL Accelerated Services, Feature Description.

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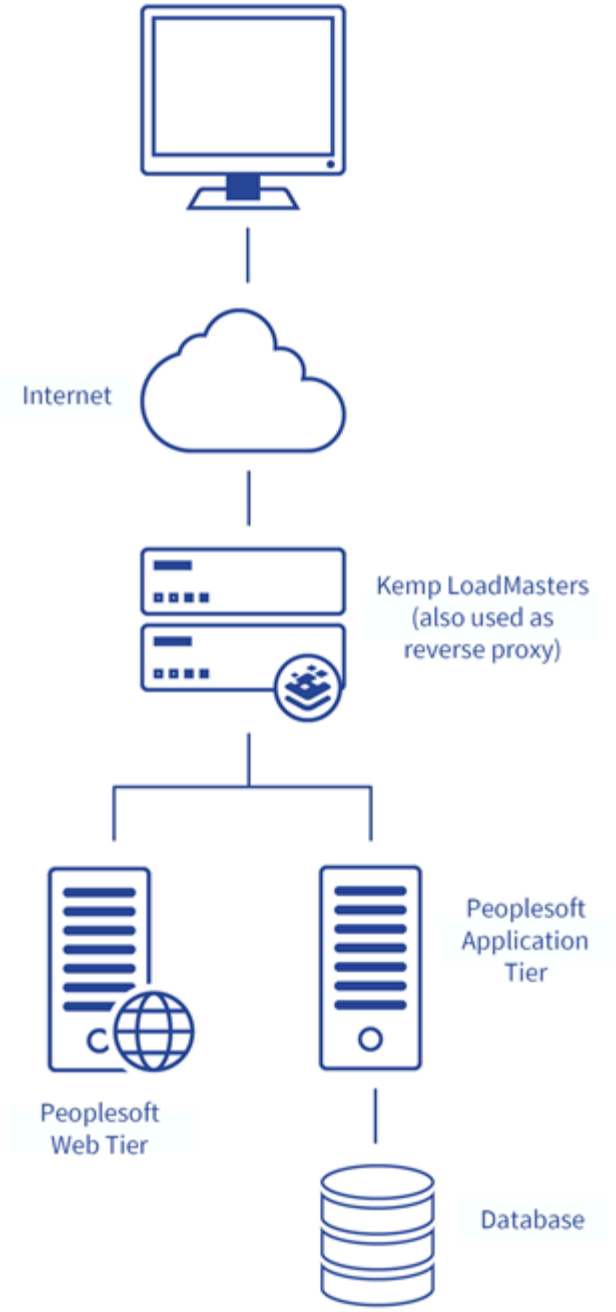
Oracle PeopleSoft



The above diagram shows a typical example Oracle PeopleSoft architecture which includes the LoadMaster being used as a reverse proxy.

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- Configure the LoadMaster

Configure the LoadMaster

Instructions on how to configure a HTTP, HTTPS pass-through, HTTPS offloaded and HTTPS bridged Virtual Services are in the sections below.

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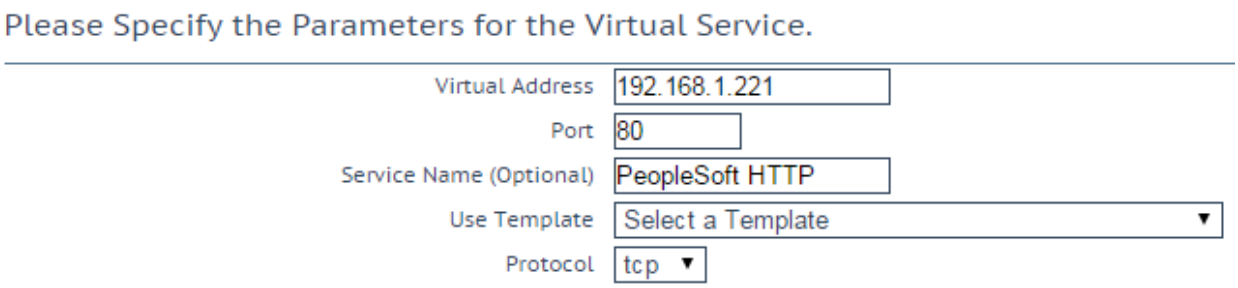
- Configure a PeopleSoft HTTP Virtual Service
- Configure a PeopleSoft HTTPS Pass-Through Virtual Service
- Configure a PeopleSoft HTTPS Offloaded Virtual Service
- Configure a PeopleSoft HTTPS Bridged Virtual Service

Configure a PeopleSoft HTTP Virtual Service

To configure a PeopleSoft HTTP Virtual Service, follow the steps below in the LoadMaster Web User Interface (WUI):

1. In the main menu, click **Virtual Services > Add New**.

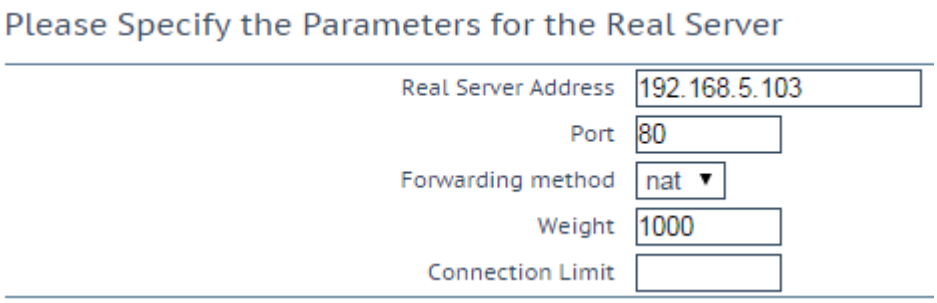


2. Enter a valid IP address in the **Virtual Address** text box.
3. Enter **80** as the **Port**.
4. Enter a recognizable **Service Name**, for example **PeopleSoft HTTP**.
5. Click **Add this Virtual Service**.
6. Configure the settings as shown in the following table:

Section	Option	Value	Comment
Standard Options	Transparency	Disabled	
	Persistence Mode	Server Cookie or Source IP	
	Persistence Timeout	2 Hours	
	Cookie name	Enter the relevant cookie name.	Click **Set Cookie**. The cookie name must match

Section	Option	Value	Comment
			the cookie name configured on PeopleSoft.
	Scheduling Method	least connection	

7. Expand the **Real Servers** section.
8. Click **Add New**.

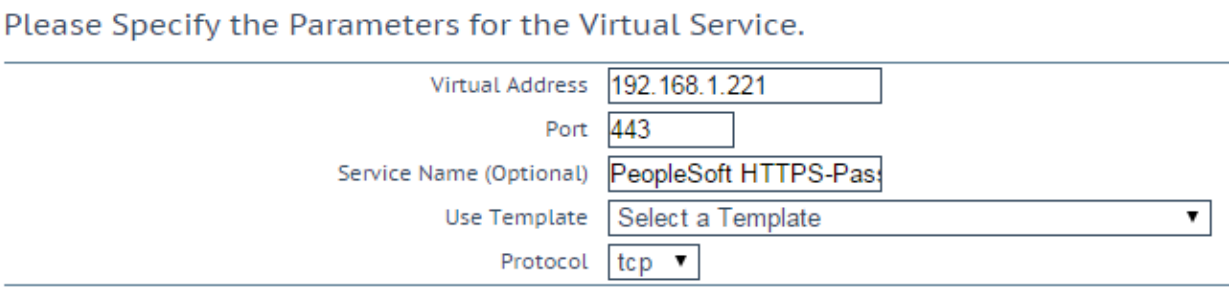


9. Enter the **Real Server Address**.
10. Click **Add This Real Server**.
11. Repeat the two steps above to add another Real Server.

Configure a PeopleSoft HTTPS Pass-Through Virtual Service

To configure a PeopleSoft HTTPS Pass-Through Virtual Service, follow the steps below in the LoadMaster WUI:

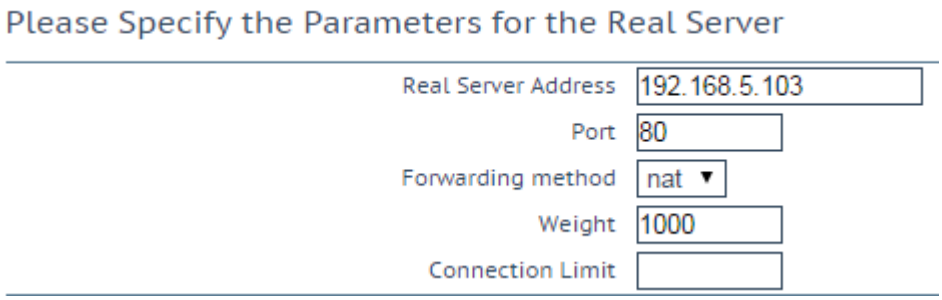
1. In the main menu, click **Virtual Services > Add New**.



2. Enter a valid IP address in the **Virtual Address** text box.
3. Enter **443** as the **Port**.
4. Enter a recognizable **Service Name**, such as **PeopleSoft HTTPS-PassThrough**.
5. Click **Add this Virtual Service**.
6. Configure the settings as shown in the following table:

Section	Option	Value	Comment
Standard Options	Transparency	Disabled	
	Persistence Mode	Source IP Address	
	Persistence Timeout	2 Hours	
	Scheduling Method	least connection	
Advanced Properties	Redirection URL	https://%h%s	Click **Add HTTP Redirector**. This creates a redirect Virtual Service on port 80 with the same IP address.

7. Expand the **Real Servers** section.
8. Click **Add New**.

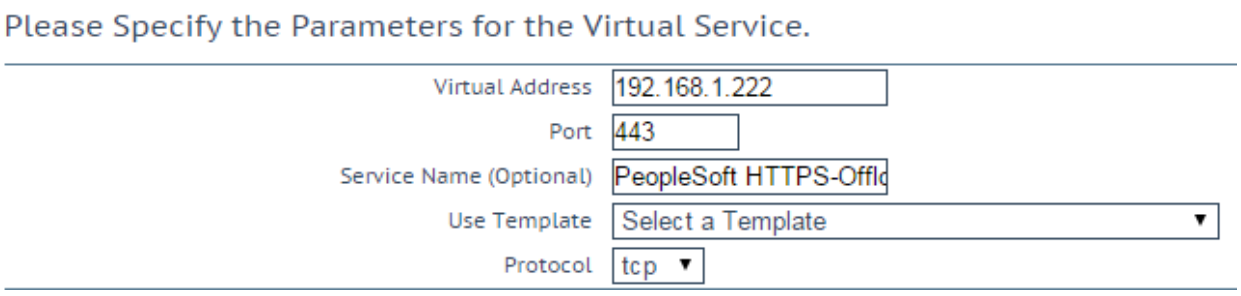


9. Enter the **Real Server Address**.
10. Click **Add This Real Server**.
11. Repeat the two steps above to add another Real Server.

Configure a PeopleSoft HTTPS Offloaded Virtual Service

To configure a PeopleSoft HTTPS Offloaded Virtual Service, follow the steps below in the LoadMaster WUI:

1. In the main menu, click **Virtual Services > Add New**.

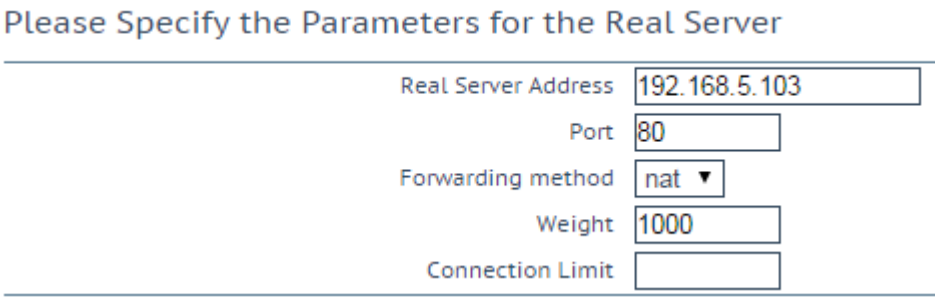


2. Enter a valid Virtual IP Address.
3. Enter **443** as the **Port**.
4. Enter a recognizable **Service Name**, for example **PeopleSoft HTTPS-Offloaded**.
5. Click **Add this Virtual Service**.
6. Configure the settings as shown in the following table:

Note: Ensure to include **https://** in the virtual address configuration. This will ensure that all URLs will be returned as HTTPS.

Section	Option	Value	Comment
SSL Properties	SSL Acceleration	Enabled	
Standard Options	Transparency	Disabled	
	Persistence Mode	Server Cookie or Source IP	
	Persistence Timeout	2 Hours	
	Cookie name	Enter the relevant cookie name.	Click **Set Cookie**. The cookie name must match the cookie name configured on PeopleSoft.
	Scheduling Method	least connection	

7. Expand the **Real Servers** section.
8. Click **Add New**.

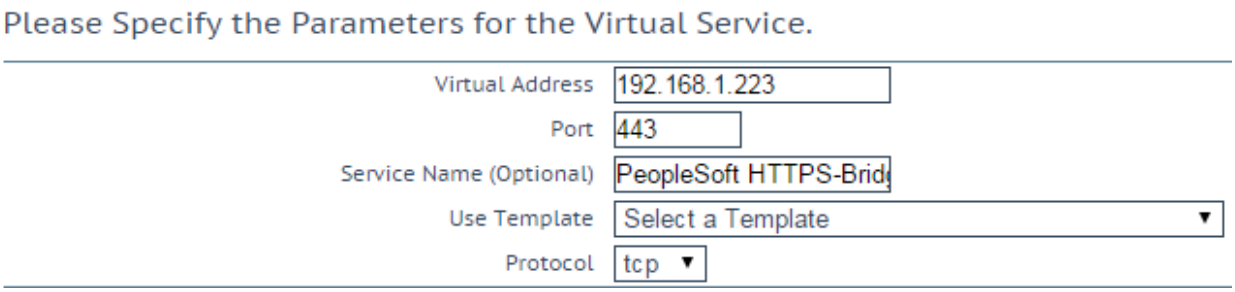


9. Enter the **Real Server Address**.
10. Click **Add This Real Server**.
11. Repeat the two steps above to add another Real Server.

Configure a PeopleSoft HTTPS Bridged Virtual Service

To configure a PeopleSoft HTTPS Bridged Virtual Service, follow the steps below in the WUI:

1. In the main menu, click **Virtual Services > Add New**.

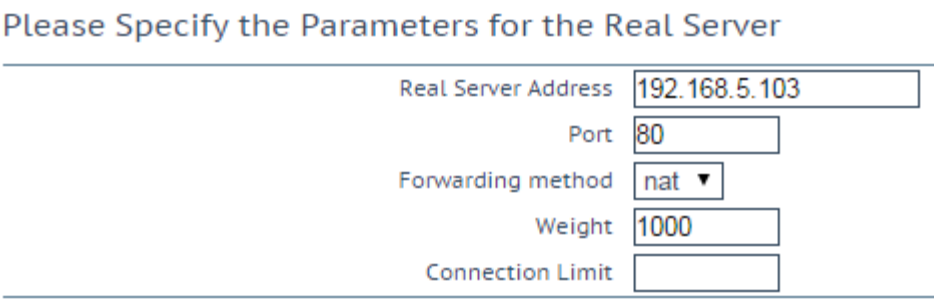


2. Enter a valid **Virtual Address**.
3. Enter **443** as the **Port**.
4. Enter a recognizable **Service Name**, for example **PeopleSoft HTTPS-Bridged**.
5. Click **Add this Virtual Service**.
6. Configure the settings as shown in the following table:

Note: Ensure to include **https://** in the virtual address configuration. This will ensure that all URLs will be returned as HTTPS.

Section	Option	Value	Comment
SSL Acceleration	SSL Acceleration	Enabled	
	Reencrypt	Enabled	
Standard Options	Persistence Mode	Server Cookie or Source IP	
	Persistence Timeout	2 Hours	
	Cookie name	Enter the relevant cookie name.	Click **Set Cookie**. The cookie name must match the cookie name configured on PeopleSoft.
	Scheduling Method	least connection	

7. Expand the **Real Servers** section.
8. Click **Add New**.



9. Enter the **Real Server Address**.
10. Click **Add This Real Server**.
11. Repeat the two steps above to add another Real Server.

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References

For further details on the SSL, refer to the following document:

SSL Accelerated Services Feature Description