

# ObserveIT UNIX Agent quick installation guide

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The ObserveIT Agent needs to be installed on any UNIX server that you wish to monitor and record. Follow the steps outlined in this document to install the ObserveIT Agent.

## Prerequisites

This document assumes you already have the ObserveIT server-side infrastructure in place. This includes the ObserveIT Application and Web Management server(s) running on IIS on a Microsoft Windows Server 2003/2008 server(s), and the ObserveIT Database stored on a Microsoft SQL Server 2005/2008, running on Microsoft Windows Server 2003/2008.

In addition, you must meet the following prerequisites:

1. Obtain the ObserveIT UNIX Agent installation file and copy it to the UNIX server(s).
2. Log in to the target server with **root** permissions. Or, alternatively, use the `pfexec` command.
3. Run the `ls -l` command and verify that the file has execute permissions (-rwxr-xr-x). Otherwise, use `chmod +x` for the Agent's file name.
4. Make sure that the UNIX server can communicate with the ObserveIT Application server by using the correct TCP port. By default, the port number used by the ObserveIT Application server is **4884**.

To verify you can use the following command on the UNIX server:

```
telnet <ServerIP> <Port>
```

Where `<ServerIP>` is the IP address or name of the ObserveIT Application server and `<Port>` is the TCP port used by the ObserveIT Application server.

## Quick Installation

The quick installation method is a simple way to install the Agent on a UNIX server by using a one-line command.

### Agent installation and registration

After copying the Agent installation file to the UNIX server, run the following command (based on the version of the UNIX server):

#### For Solaris i386:

```
./observeit-agent-solaris-i386-release-5.2.07.run -- -s <ServerIP>:<Port>
```

Where <ServerIP> is the IP address or name of the ObserveIT Application server and <Port> is the TCP port used by the ObserveIT Application server.

By default, the port number used by the ObserveIT Application server is 4884.

#### For Solaris Sparc:

```
./observeit-agent-solaris-sparc-release-5.2.07.run -- -s <ServerIP>:<Port>
```

Where <ServerIP> is the IP address or name of the ObserveIT Application server and <Port> is the TCP port used by the ObserveIT Application server.

By default, the port number used by the ObserveIT Application server is 4884.

The result should look like this:

```
Verifying archive integrity... All good.
Uncompressing ObserveIT Solaris agent...
Installing ObserveIT agent

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Installation of <OBSVobit> was successful.

Successfully registered this machine and saved configuration
```

Close current session by typing `exit` or pressing CTRL+D.

### Agent Health status

You may wish to check the Agent's registration and health status. To do so, run the following command:

```
/usr/lib/obit/oitcheck
```

The result should look like this:

```
Check for OBSVobit package: PASS
```

```
VERSION: 5.2.07

Check for obitd service: PASS

STATUS: online

Check that obitd daemon running: PASS

Check for /var/run/observeit directory: PASS

Check for /etc/observeit/obit.conf: PASS

HostURL: http://192.168.200.116:4884/observeitapplicationserver

WebConsoleURL: http://OITYIGAL2:4884/ObserveIT

Check for liboit.so.1 linkage: PASS
```

## Recording User Actions on UNIX servers

To begin recording user actions that are performed on the monitored UNIX servers, you must close the current session (which was used to perform the installation outlined above, if it is still open). Then, you need to open a new SSH session to the monitored server.

- a. Open a new SSH session to the monitored UNIX server.
- b. Run any UNIX command. For example, you may use commands such as

```
ls -l

prstat


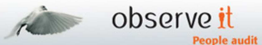
ptree

ps

etc.
```

- c. Open the ObserveIT Web Management console and by using the Server Diary tab, look for the new UNIX server and view the latest session. You may expand the session by clicking on the [+] sign of the corresponding session line, and you may also open the viewer to view the actual keystrokes that were performed in that session.

Welcome, ObserveIT-Authentication\Admin [ [Sign Out](#) ] [ObserveIT - Help](#)


Record and Replay Window Sessions


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Server Diary
User Diary
Configuration
Search
Reports
Training
About

This Demo version will expire in 1296 days

[Activities](#)  
[Applications](#)  
[Inventory](#)  
[Software](#)  
[Search](#)  
[Messages](#)

### Activity View

Server:  Go

[Print this information](#)

Period: Last 1 Months

Start Date: 
End Date:

Filter by login/user: -All-

Results: 1 - 5 of 5 1

Session Duration	Login	User	Server	Client	Slides	Video
3:44 PM - 3:45 PM	yigal	n/a	9/13/2010	qa1demo	unknown	9
<a href="#">Print this information</a> <a href="#">Print detailed information</a>						
<div style="display: flex; justify-content: space-between; padding: 2px;"> <span>⊕ /bin/cat</span> <span>⊕ /bin/mail</span> </div> <div style="display: flex; justify-content: space-between; padding: 2px;"> <span>⊕ /usr/bin/amd64/prstat</span> <span>⊕ /usr/bin/amd64/ptree</span> </div> <div style="display: flex; justify-content: space-between; padding: 2px;"> <span>⊕ /usr/bin/ls (2)</span> <span>⊕ /usr/bin/prstat</span> </div> <div style="display: flex; justify-content: space-between; padding: 2px;"> <span>⊕ /usr/bin/ptree</span> <span>⊕ /usr/bin/quotat</span> </div>						

## Two-Step Installation

The 2-step installation method lets you separate the installation and registration process into 2 steps. First installing the package, and later configuring and registering it against the ObserveIT Application server.

### Step 1 - Agent installation

This procedure will only install the package, but will not register the Agent. By using the method, the Agent will not record the monitored server. You must register the Agent in order to begin recording.

After copying the Agent installation file to the UNIX server, run the following command (based on the version of the UNIX server):

#### For Solaris i386:

```
./observeit-agent-solaris-i386-release-5.2.07.run
```

#### For Solaris Sparc:

```
./observeit-agent-solaris-sparc-release-5.2.07.run
```

The result should look like this:

```
Verifying archive integrity... All good.
```

```
Uncompressing ObserveIT Solaris agent...
```

```
Installing ObserveIT agent
```

```
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```

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Installation of <OBSVobit> was successful.

Close current session by typing `exit` or pressing CTRL+D

### Agent Health status

To check the Agent's health status, you may use the following script. Run the following command:

```
/usr/lib/obit/oitcheck
```

The result should look like this:

```
Check for OBSVobit package: PASS
```

```
    VERSION:  5.2.07
```

```
Check for obitd service: PASS
```

```
    STATUS:   disabled
```

```
Check that obitd daemon running: Not PASS
```

```
Check for /var/run/observeit directory: Not PASS
```

```
Check for /etc/observeit/obit.conf: Not PASS
```

```
Check for liboit.so.1 linkage: PASS
```

## Step 2 - Agent Registration

The Agents registration is a mandatory process that configures the Agent to work against a specific ObserveIT Application server.

To register the ObserveIT Agent, first check the service status by running the following command:

```
svcs obitd
```

The result should look like this:

STATE	STIME	FMRI
disabled	15:22:05	svc:/application/obitd:default

If the STATE value is "online", you must run the following command to disable the service:

```
svcadm disable obitd
```

Next, register the Agent by running the following command:

```
/usr/lib/obit/obitd -r -s <ServerIP>:<Port>
```

Where `<ServerIP>` is the IP address or name of the ObserveIT Application server and `<Port>` is the TCP port used by the ObserveIT Application server.

By default, the port number used by the ObserveIT Application server is 4884.

The result should look like this:

```
Successfully registered this machine and saved configuration
```

Next, enable the obitd service by running the following command:

```
svcadm enable obitd
```

Finally, check the Agent's registration and health status. To do so, run the following command:

```
/usr/lib/obit/oitcheck
```

The result should look like this:

```
Check for OBSVobit package: PASS
```

```
    VERSION:  5.2.07
```

```
Check for obitd service: PASS
```

```
    STATUS:  online
```

```
Check that obitd daemon running: PASS
```

```
Check for /var/run/observeit directory: PASS
```

```
Check for /etc/observeit/obit.conf: PASS
```

```
    HostURL:   http://192.168.200.116:4884/observeitapplicationserver
```

```
    WebConsoleURL:  http://OITYIGAL2:4884/ObserveIT
```

```
Check for liboit.so.1 linkage: PASS
```

## Agent Removal

In order to remove the ObserveIT Agent you need to log in to the target server with **root** permissions. Or, alternatively, use the `pfexec` command.

Run the following command

```
pkgrm OBSVobit
```

Press “y” to acknowledge the removal of the package. Otherwise press “n” or “q”.

Press “y” to acknowledge the running of scripts with super-user permissions. Otherwise press “n” or “q”.

The result should look like this:

```
## Verifying package <OBSVobit> dependencies in global zone
## Processing package information.
## Executing preremove script.
Successfully unregistered this machine (it wasn't too hard by the way)
The configuration file is left intact and can be reused in the future
```

Note that the Agent is still running in the server's memory for the current session. Therefore, to terminate it, you must close the current session by typing `exit` or pressing CTRL+D.