

The `cpuser_service_manager` script and the Ubic subsystem

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Overview

Note:

This script is for cPanel users. It **only** configures services for the user that runs the script.

The `cpuser_service_manager` script adds and removes user-managed and monitored services for your cPanel account. User-managed services are programs that you want your server to run all the time, such as a web application that runs in either tomcat, PSGI, rails, or WSGI, among others. Use this script to manage services run as the user, rather than the `root` user.

This script also configures the Ubic subsystem on your account, which allows you to easily manage your services, and adds a watchdog cron job to monitor your services.

Important:

- You **must** possess terminal access to use this script and the Ubic subsystem. Your hosting provider controls this access in WHM's [Manage Shell Access](#) interface (*WHM >> Home >> Account Functions >> Manage Shell Access*).
- The [Shell Fork Bomb Protection](#) feature will cause the Ubic subsystem to fail to start Tomcat 8.5. Your hosting provider **must** navigate to WHM's [Shell Fork Bomb Protection](#) interface (*WHM >> Home >> Security Center >> Shell Fork Bomb Protection*) and disable it before you can start Tomcat 8.5.

The `/usr/local/cpanel/scripts/cpuser_service_manager` script

To use this script, run the following command on the command line:

```
/usr/local/cpanel/scripts/cpuser_service_manager [argument] [options]
```

Arguments

Note:

When you run this script, it will also configure the Ubic subsystem and add a watchdog cronjob if necessary. A watchdog cronjob monitors the status of your services.

The `/usr/local/cpanel/scripts/cpuser_service_manager` script accepts the following arguments, where `service_name` represents the name of a service and `path` represents a file path:

Argument	Description	Example
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<pre>add service_name --init-script=path add service_name --ubic-service=path</pre>	<p>Set up a user managed and monitored service.</p> <div style="border: 1px solid yellow; padding: 5px;"> <p>Notes:</p> <ul style="list-style-type: none"> • If you use the <code>--init-script</code> option, your script must be a Linux Standard Base (LSB) compliant script. • If you use the <code>--ubic-service</code> option, your script must be a Ubic compliant script. • The <code>path</code> variable must use an absolute path. </div>	<pre>/usr/local/cpanel/scripts/cpuser_ service_manager add my_psgi_app - -init-script=/path/to/init.file /usr/local/cpanel/scripts/cpuser_ service_manager add my_psgi_app - ubic-service=/path/to/ubic.file</pre>
<pre>info</pre>	<p>Display information about how the script works and what it does.</p>	<pre>/usr/local/cpanel/scripts/cpuser_ service_manager info</pre>
<pre>list</pre>	<p>Display a list of the user managed and monitored services.</p>	<pre>/usr/local/cpanel/scripts/cpuser_ service_manager list</pre>
<pre>remove service_name</pre>	<p>Remove a service.</p>	<pre>/usr/local/cpanel/scripts/cpuser_ service_manager remove my_psgi_ap p</pre>
<pre>hint [argument]</pre>	<p>Display the abbreviated help information.</p> <div style="border: 1px solid yellow; padding: 5px;"> <p>Note: The <code>argument</code> is optional. If you specify an argument, only that argument's abbreviated help information displays.</p> </div>	<pre>/usr/local/cpanel/scripts/cpuser_ service_manager hint add</pre>
<pre>help [argument]</pre>	<p>Display the script's help information.</p> <div style="border: 1px solid yellow; padding: 5px;"> <p>The <code>argument</code> is optional. If you specify an argument, only that argument's abbreviated help information displays.</p> </div>	<pre>/usr/local/cpanel/scripts/cpuser_ service_manager help add</pre>

The Ubic subsystem

The `/scripts/cpuser_service_manager` script configures the Ubic subsystem, if necessary, when you add a service to your cPanel account. This subsystem enables easy management of your system's services on the command line. Use this subsystem to stop, start, restart, and see the status of your account's services.

The Ubic subsystem configuration adds the following to your account:

- The `~/ubic` directory
- The `~/ubic.cfg` file

Important:

Do **not** edit the `~/ubic.cfg` file or it will not function correctly.

- A cronjob that includes a Ubic watchdog process to monitor the status of your service.

To use the Ubic subsystem, run the following command on the command line:

```
ubic [argument] [service_name]
```

Note:

If `ubic` does **not** exist in your `PATH`, you **must** add it to your configuration. For example, you might add the following line to your `.bashrc` file:

```
export PATH=$(dirname $(readlink  
/usr/local/cpanel/3rdparty/bin/perl)): $PATH
```

Important:

Jailshell users **cannot** see the status of their previously started Tomcat service. The default jailshell permissions **only** allow users to view their current session's processes. If they attempt to restart an already active service with Ubic, the system launches a duplicate process.

You can use the following arguments to manage your services with Ubic, where `service_name` represents the name of the service that you wish to modify:

Argument	Description	Example
<code>status service_name</code>	Display the status of a service.	<code>ubic status my_psgi_app</code>
<code>start service_name</code>	Start a service.	<code>ubic start my_psgi_app</code>
<code>stop service_name</code>	Stop a service.	<code>ubic stop my_psgi_app</code>
<code>restart service_name</code>	Restart a service.	<code>ubic restart my_psgi_app</code>

You can view other possible arguments with the `man ubic` command.

Additional documentation

Suggested documentation [For cPanel users](#) [For WHM users](#) [For developers](#)

- [Service and Proxy Subdomains](#)
- [The cPanel Service Daemons](#)
- [System User Accounts](#)
- [How to Restart Services](#)
- [Process Restart Exclusion](#)

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- Process Restart Exclusion
- WHM API 1 Functions - configureservice
- cPanel API 1 Modules - Serverinfo
- cPanel API 1 Functions - Serverinfo::servicestatus
- WHM API 1 Functions - servicestatus
- cPanel API 1 Functions - ProxyUtils::proxyaddress