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User's Guide

Configure the Apache Server

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Purpose: To configure Apache HTTP load balancing for the UCS database.

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Procedure

Start

1. In the <path to Apache>\conf\httpd.conf file, configure the Apache capacity:

```
<IfModule mpm_winnt_module>
    ThreadsPerChild    3350
    ThreadLimit 4000
    MaxRequestsPerChild 0
</IfModule>
```

Important

The module mpm_winnt_module is available for Windows only. For more information on the mpm_winnt_module or other modules for Unix/Linux, see your Apache's documentation.

2. In the <path to Apache>\conf\httpd.conf file, enable (uncomment) the following lines:

```
LoadModule proxy_http_module /usr/lib/apache2/modules/mod_proxy_http.so
LoadModule proxy_module /usr/lib/apache2/modules/mod_proxy.so
LoadModule proxy_balancer_module /usr/lib/apache2/modules/mod_proxy_balancer.so
LoadModule proxy_ajp_module /usr/lib/apache2/modules/mod_proxy_ajp.so
LoadModule jk_module /usr/lib/apache2/modules/mod_jk.so
```

3. At the end of the <path to Apache>\conf\httpd.conf file, specify the path to mod_proxy.conf:
include "<path to Apache>\conf\mod_proxy.conf"

4. In the <path to Apache>\conf\mod_proxy.conf file, enter the following:

```
<Location /someUrl/>
    # Turn on Proxy status reporting at /status
    # This should be better protected than: Allow from all
    ProxyStatus On
</Location>
<Location /status>
    SetHandler server-status
    Order Deny,Allow
    Allow from all
</Location>
##### Proxy HTTP #####
ProxyPass /cs/ balancer://cscluster/
<Proxy balancer://cscluster>
    BalancerMember <nowiki>http://Context Services Server1:8182 loadfactor=1</nowiki>
    BalancerMember <nowiki>http://Context Services Server2:8485 loadfactor=1</nowiki>
    BalancerMember <nowiki>http://Context Services Server3:8283 status=+H</nowiki>
    BalancerMember <nowiki>http://Context Services Server4:8384 status=+H</nowiki>
    # status 'H' is hot standby
    ProxySet lbmethod=byrequests
</Proxy>
</Location>
```

Important

Replace the above server names with your environment server values.

End