

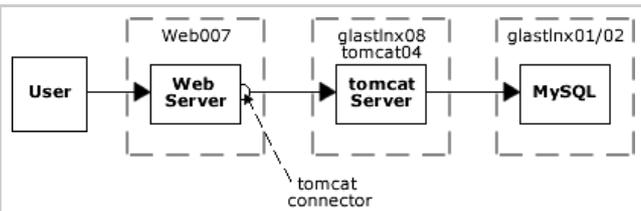
## Workbook : How to Fix Confluence

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# How to Fix Confluence

Confluence is a server-based, knowledge management tool enabling people to access, create, and edit content for web pages using a browser and the wiki markup language. Test (and fix) in the following order:

1. [Web Server](#)
2. [tomcat Server](#)
3. [MySQL](#)
4. tomcat connector



## Test and Fix

### 1. Web Server

#### To Test

- Enter (in your web browser): <http://web007.slac.stanford.edu>
  - The Web Server is working if you get a response beginning with:  
**Web007.slac.stanford.edu ...**
- **To Fix:** Call Windows xHELP at **(650) 926-4357**. You will get the Help menu. Select **"page the on-call Technical Coordinator"** who will try to assist, or will contact a member of the Windows Infrastructure Group as needed.

### 2. tomcat Server

#### To Test

- Using the [ServerMonitoring](#) tool, click on the **tomcat04 probe** link (right column). The tomcat04 server is working, if you get a login GUI requiring user name and password for "LambdaProbe".
- **To Fix:** Note that tomcat servers are normally started automatically when the machine boots via cron jobs running under the glast account. Each server runs under control of the java service wrapper, which will **automatically restart the server if it fails**.  
**If it is necessary to do a manual restart**, log in to the failed machine as user "glast"; then issue the command: **~glast/tomcat/scripts/tomcat restart**

### 3. MySQL

#### To Test

- Using [Nagios](#), click on **Servicegroup grid**, then scroll down to the **MySQL** status table.
  - Note that the MySQL Master and slave are identified in the Service column.
  - **Tip:** For additional status information on the Master and Slave, click on their respective **stoplight** icons in the Actions column.
- **To Fix: \*(root permission required \*to perform the following procedures)**  
**Note that the most common problem is that u02 on the master server fills up.**  
**To Fix u02 :**
  1. Login to the slave mysql server as: **root**
  2. At the prompt enter: **mysql**
  3. At the prompt, enter: **show slave status** A table with an entry of what the latest binary file the slave is reading is (e.g., mysql-bin.XXXXXXX) will be displayed.
  4. Go to the master mysql server (glastlnx01) and login as: **root**
  5. At the prompt, enter: **purge master logs to mysql-bin.XXXXXX-1** where: XXXXXX is the same as from the slave in the previous command decremented by 1.
- **To Fix All Other Problems:** All other problems can usually be fixed by restarting the master mysql server (glastlnx01).
  1. Login to the master mysql server (glastlnx01) as: **root**
  2. At the command line, enter: **/etc/init.d/mysql restart**

**Note: If root access is required to fix a problem, contact: Navid Golpayegani.**

**Other Dependencies:** Confluence can also fail if:

- the glast unix account home directory disappears, or (currently)
- if there are problems with u19 or sulky33 (fileserv that hosts u19)

**Check:** [Nagios|http://glast-nagios.slac.stanford.edu/nagios/] # Service Detail

**Notes (for followup):**

1. Ask Emmanuel and Navid to describe what is actually being checked by Nagios for all the things it checks.  
(Richard)
2. How check if MySQL is working (Nagios, or some script that can be run to connect to MySQL)?  
(Tony)