



IBM Directory Server Version 5.1: Web Administration Tool README

Note

Before using this information and the product it supports, read the general information under "3.0 Notices" on page 8.

Preface

This README file contains information about the IBM® Directory Server Version 5.1 Web Administration Tool. This product is available on the AIX®, Linux, HP-UX, Solaris, Windows NT®, Windows® 2000, and Windows XP (client only) platforms. The server README (server.pdf, server.htm, or server.txt) and a separate README file describing the IBM Directory Server Client SDK (client.pdf, client.htm, or client.txt) can be found on the machines where they are installed in the following directories :

- for AIX: /usr/ldap/language/readme/<filename>. (For English, *language* is en_US.)
- for Linux Intel and Linux S/390®: /usr/ldap/web/language/readme/<filename>. (For English, *language* is en_US.)
- for Windows platforms: *installation directory*\web\language\readme\<filename>. (For English, *language* is enUS1252.)
- for Solaris: /opt/IBMldaps/web/language/readme/<filename>. (For English, *language* is en_US.)
- for HP-UX: /usr/IBMldap/web/language/readme/<filename>. (For English, *language* is en_US.)

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1.0 On-line documentation

In addition to the READMEs, on-line documents including the QuickStart, the Installation and Configuration Guide, the Administration Guide, the Tuning Guide, the C-Client SDK Programming References, the Server Plug-in Reference are provided in PDF and HTML formats. These files are located on the machine where the server or client has been installed.

The IBM Directory Server Version 5.1 uses the JNDI client from Sun Microsystems. For information about the JNDI client, go to the Sun Microsystems Web site at <http://java.sun.com/>

Note: To view or print the PDF documentation you can download a copy of the Adobe Acrobat Reader from the Adobe Web site: <http://adobe.com>.

For Windows systems:

QuickStart

file:\installation path\web\language\config\quickstart.pdf or quickstart.htm.

The Installation and Configuration Guide

file:\installation path\web\language\config\ldapinst.pdf or ldapinst.htm.

The Administration Guide

file:\installation path\web\language\config\admin_gd.pdf or admin_gd.htm. .

The IBM Directory Server Tuning Guide

file:\installation path\web\language\config\tuning.pdf or tuning.htm

The C Programming Reference

file:\installation path\web\language\doc\progref.pdf or progref.htm

The Server Plug-ins Reference

file:\installation path\web\language\doc\plugin.pdf or plugin.htm

For AIX systems:

QuickStart

file:/usr/ldap/web/language/config/quickstart.pdf or quickstart.htm.

The Installation and Configuration Guide

file:/usr/ldap/web/language/config/ldapinst.pdf or ldapinst.htm.

The Administration Guide

file:/usr/ldap/web/language/config/admin_gd.pdf or admin_gd.htm.

The IBM Directory Server Tuning Guide

file:/usr/ldap/web/language/config/tuning.pdf or tuning.htm.

The C Programming Reference

file:/usr/ldap/web/language/doc/progref.pdf or progref.htm.

The Server Plug-ins Reference

file:/usr/ldap/web/language/doc/plugin.pdf or plugin.htm.

For Solaris systems:

QuickStart

file:/opt/IBMldaps/web/*language*/config/quickstart.pdf or quickstart.htm.

The Installation and Configuration Guide

file:/opt/IBMldaps/web/*language*/config/ldapinst.pdf or ldapinst.htm.

The Administration Guide

file:/opt/IBMldaps/web/*language*/config/admin_gd.pdf or admin_gd.htm.

The IBM Directory Server Tuning Guide

file:/opt/IBMldaps/web/*language*/config/tuning.pdf or tuning.htm.

The C Programming Reference

file:/opt/IBMldaps/web/*language*/program/progref.pdf or progref.htm

The Server Plug-ins Reference

file:/opt/IBMldaps/web/*language*/program/plugin.pdf or plugin.htm

For Linux Intel and Linux S/390 systems:

QuickStart

file:/usr/ldap/web/*language*/config/quickstart.pdf or quickstart.htm.

The Installation and Configuration Guide

file:/usr/ldap/web/*language*/config/ldapinst.pdf or ldapinst.htm.

The Administration Guide

file:/usr/ldap/web/*language*/config/admin_gd.pdf or admin_gd.htm.

The IBM Directory Server Tuning Guide

file:/usr/ldap/web/*language*/config/tuning.pdf or tuning.htm.

The C Programming Reference

file:/usr/ldap/web/*language*/doc/progref.pdf or progref.htm

The Server Plug-ins Reference

file:/usr/ldap/web/*language*/doc/plugin.pdf or plugin.htm

For HP-UX systems:

QuickStart

file:/usr/IBMldap/web/*language*/config/quickstart.pdf or quickstart.htm.

The Installation and Configuration Guide

file:/usr/IBMldap/web/*language*/config/ldapinst.pdf or ldapinst.htm.

The Administration Guide

file:/usr/IBMldap/web/*language*/config/admin_gd.pdf or admin_gd.htm.

The IBM Directory Server Tuning Guide

file:/usr/IBMldap/web/*language*/config/tuning.pdf or tuning.htm.

The C Programming Reference

file:/usr/IBMldap/web/*language*/doc/progref.pdf or progref.htm

The Server Plug-ins Reference

file:/usr/IBMldap/web/*language*/doc/plugin.pdf or plugin.htm

Further information is available on the Web. Find the IBM Directory Server page at <http://www.software.ibm.com/network/directory/> for general information and announcements.

2.0 Restrictions, known problems, troubleshooting, and additional information

2.1 Additional login panels fail

When using the Web Administration Tool, do not open additional login panels from the File options of the browser. Only one instance of the Web Administration can function on a single browser instance. They cannot share the same cookies. Additional login panels must be opened from new instances of the browser.

For Unix-based systems:

Launch new windows from the command line using the & option. For example:
netscape &

For Windows-based systems:

- Internet Explorer - Open additional Internet Explorer windows using the **Start** window or an Internet Explorer short cut from the desktop.
- Netscape - The Netscape Web browser does not support multiple Web Administration Tool sessions on Windows.

2.2 Idapmodify puts Web Administration into inconsistent state

If you are logged into the Web Administration Tool and you change your password using the command line (**Idapmodify**), the Web Administration Tool changes the server status to stopped. This occurs because the Web Administration Tool opens new connections to the server every time it launches a task. The Web Administration Tool tries to connect to the server with the old password, because it is unaware that the password has been changed, consequently the connection fails. You must log out and log back in using the new password.

To avoid this situation, if you have sufficient access authority, use the **User properties -> Change password** option to change your user password when working in the Web Administration Tool.

2.3 Web Administration Tool problems on Netscape 7.0

If Netscape 7.0 is run with the default profile, Web Administration tabbed panels do not display correctly. If using a language setting other than English, blank pages are displayed as well.

The work around for this problem is to create another user profile. To do this:

1. Access the Profile Manager in Netscape 7.0
 - On a Windows system - click **Start -> Programs -> Netscape 7.0 -> Profile Manager**
 - On a UNIX[®] system-
 - a. Launch Netscape 7.0. This uses the default profile.
 - b. Launch a second session of Netscape 7.0. This causes the Profile Manager panel to be displayed because the default profile is in use on the first session.
2. Click **Create Profile** and type **Default User** as the new profile name.

3. Click **Next**.
4. Click **Next**.
5. Click **Finish**.
6. Select **Default User** and click **Start Netscape 7.0**.
7. You see a **Connecting to server** progress message bar as the **Netscape Network Registration** panel is displayed.
8. At the **Current Member Sign In** field, enter some value into the **Screen Name** and **Password** fields. These values can be anything, the fields just need some content.
9. Click **Next**.
10. A message, **You provided an invalid Screen Name and password. Please go back and try again** is displayed. Ignore this message and click **Finish**.
11. The Netscape browser window is displayed.
12. Log into the Web Administration Tool in the browser session with the Default User profile. The Web Administration panels display correctly.

2.4 WebSphere® Application Server - Express on AIX

Starting the **embedded version of IBM WebSphere Application Server - Express** on AIX (`startServer.sh server1`), might not work because port (9090) already being used. See the `BOBCAT_install_path/logs/server1` directory for the actual log files. Usually `SystemErr.log` and `SystemOut.log` are most helpful, although the other logs might have some useful information.

To change the port number for the **embedded version of IBM WebSphere Application Server - Express** from 9090 to an unused port, for example, 9091 which is the port used on AIX machines. Edit the `BOBCAT_install_path/config/cells/DefaultNode/virtualhosts.xml` file and change 9090 to 9091. Do the same thing in the

`BOBCAT_install_path/config/cells/DefaultNode/nodes/DefaultNode/servers/server1/server.xml`

file.

Note: This path does have two subdirectories called `DefaultNode`. Make one change in each file for a total of two updates.

2.5 Web Administration Tool loses connections on HP-UX

If you are using the Web Administration Tool on the HP-UX operating system, you must set the following variables, otherwise the kernel can not allocate enough threads and the system runs out of memory.

The following table contains the parameters and values that must be set before installing Web Administration Tool.

Table 1. HP-UX operating system kernel configuration parameters

Kernel parameter	Value 256MB+ physical memory
<code>max_thread_proc</code>	1024
<code>maxusers</code>	256
<code>nproc</code>	2086(+)
<code>nkthread</code>	3635(+)

Note: After you update the `max_thread_proc` and `maxusers` parameters, be sure that the `nproc` parameter is set to 2068 or more, and the `nkthread` parameter to 3635 or more.

Use this procedure to set the kernel configuration parameters:

1. At a command prompt, type: `sam`
The System Administration Manager opens.
2. Double-click **Kernel Configuration**.
3. Double-click **Configurable Parameters**.
4. Double-click the parameter you want to edit and specify the new value in the **Enter New Formula/Value** field. Click **OK**.
5. Repeat step 4 for each parameter that needs to be set.
6. Click **Actions-->Process New Kernel**.
7. To process the modifications, click **Yes**.
8. Select **Move Kernel Into Place and Shutdown/Reboot Now** and click **OK**.

See the *IBM Directory Server Version 5.1 Installation and Configuration Guide* for additional parameter settings.

2.6 Error when deleting the currently logged in user

When you are logged into the console, the Web Administration Tool does not permit you to delete the entry that you are logged on as. For example, if you logged on as user `cn=John Doe,ou=mylocale,o=mycompany,c=mycountry`, and you try to delete the entry, `cn=John Doe` from that tree, you receive an error message. You must log on as some other user to delete the John Doe entry.

2.7 Caching problems using Netscape and embedded version of IBM WebSphere Application Server - Express on the same machine

If you are using Netscape with **embedded version of IBM WebSphere Application Server - Express** on the same machine to access the Web Administration Tool, you might encounter prefilled or fragmented pages when performing administration tasks. The pages are being retrieved from the browser cache instead of from the application server. To correct this situation you need to turn off the caching function on the browser.

From the Netscape tool bar:

1. Click **Edit**.
2. Click **Preferences**.
3. Expand **Advanced**.
4. Click **Cache**.
5. In the **Document in cache is compared to document in network:** field, click the **Never** radio button.
6. Click **OK**.

Note: This procedure might change depending on the level of the Web browser you are using.

2.8 Web Administration tabs, table headers, and static list boxes are displayed in incorrect language

This is a problem that has been encountered on the HP-UX and AIX operating systems, however, other UNIX-based systems might encounter the same problem.

The environment variables **LC_ALL** and **LANG** need to be set to a native locale supported by Java™, for example en_US.iso88591. They must not be set to either POSIX or C.

```
export LC_ALL=<new language>
export LANG=<new language>
```

The translation of the tabs, table headers, and static list boxes are saved in the language that was first used by the application server the first time a user logs into the Web Administration Tool application. If you change the locale on your machine, you might see the following exception:

```
java.lang.InternalError: Can't connect to X11 window server using ':0.0'
as the value of the DISPLAY variable.
    at sun.awt.X11GraphicsEnvironment.initDisplay(Native Method)
    at sun.awt.X11GraphicsEnvironment.<clinit>
        (X11GraphicsEnvironment.java:58)
    at java.lang.Class.forName0(Native Method)
    at java.lang.Class.forName(Unknown Source)
    at java.awt.GraphicsEnvironment.getLocalGraphicsEnvironment
        (GraphicsEnvironment.java:53)
    at sun.awt.motif.MToolkit.<clinit>(MToolkit.java:63)
    at java.lang.Class.forName0(Native Method)
    at java.lang.Class.forName(Unknown Source)
    at java.awt.Toolkit$2.run(Toolkit.java:507)
    at java.security.AccessController.doPrivileged(Native Method)
    at java.awt.Toolkit.getDefaultToolkit(Toolkit.java:498)
    at java.awt.Toolkit.getEventQueue(Toolkit.java:1171)
    at java.awt.EventQueue.invokeLater(EventQueue.java:506)
    at javax.swing.SwingUtilities.invokeLater(SwingUtilities.java:1086)
    at javax.swing.Timer.post(Timer.java:337)
    at javax.swing.TimerQueue.postExpiredTimers(TimerQueue.java:190)
    at javax.swing.TimerQueue.run(TimerQueue.java:226)
    at java.lang.Thread.run(Unknown Source)
```

To correct this exception, you must export the **DISPLAY** variable so that it is a valid machine, for example the machine on which the application server is running. Then perform **xhost +** on the application server machine.

On the machine where you want to export the **DISPLAY** to, issue the command:
`export DISPLAY=<valid machine name>:0`

On the *<valid machine name>* issue the command:
`xhost +`

2.9 Credentials not available from cn=replication,cn=localhost in certain situations

In most replication cases, locating credentials in `cn=replication,cn=localhost` is preferred because it provides greater security than replicated credentials located on the subtree. However, there are certain situations in which credentials located on `cn=replication,cn=localhost` are not available.

If you are trying to add a replica under a server, for example serverA and you are connected to a different server with the Web Administration Tool, serverB, the **Select credentials** field does not display the option **cn=replication,cn=localhost**. This is because you cannot read the information or update any information under **cn=localhost** of the serverA when you are connected to serverB.

The **cn=replication,cn=localhost** is only available when the server under which you are trying to add a replica is the same server that you are connected to with the Web Administration Tool.

2.10 Password encryption available in configuration mode only

Although the password policy feature is not available in configuration only mode, you can change your level of password encryption in configuration only mode.

2.11 Web Administration does not return entries when searching referrals

When searching for entries using the Web Administration Tool, you can select to chase referrals. However, if an entry is found on the referred server, the **Search results** panel shows only the DN of the entry. Other columns such as object class, modified timestamp and so forth are not shown.

Also you are not able to perform such operations as **Edit Acls**, **Delete**, **Add auxiliary** or **Delete auxiliary** on the referral entry.

2.12 List boxes too short on native Windows machines using pre-Internet Explorer 6.0 Web browser

On native Windows using pre-Internet Explorer 6.0 Web browsers, list boxes might cut off part of the last character of the largest item in the list box. This is a browser limitation. Upgrading to Internet Explorer 6.0 might correct this problem.

2.13 HTML special characters are not displayed correctly

Special characters in read-only data coming from the server are not displayed correctly in the HTML page. This is because of the way that the HTML is rendered by the Web browsers. A string containing multiple spaces such as "a b" is rendered as "a b" or a string containing the '<' special character is truncated for example, "abc<abc" is rendered as "abc". This affects such fields as labels, drop-down boxes, tables, captions and so forth.

2.14 Web Administration requires IBM JDK on a Domino™ server

If you want to use the Web Administration Tool with a Domino server you need to use the IBM 1.3.1 JDK. Using the JDK from Sun results in communication exceptions.

The following are limitations on the Domino server:

- Manage schema functions do not work.
- Domino does not support user defined suffixes.

Note: The standard suffix on the Domino server is a blank. Consequently, to view entries you must select the radio button with the plus sign (+) next to it and click **Expand**.

2.15 Schema information shipped with the server is in English

The schema information shipped with the server, such as object class descriptions and syntax, is in English. It is not translated.

3.0 Notices

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