Universal Agent 6.3.x for UNIX

Quick Start Guide

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Objective

This Universal Agent 6.3.x for UNIX Quick Start Guide provides a short summary on how to install Universal Agent on a UNIX system and execute Universal Command and Universal Data Mover jobs. For a complete description of the installation process, see Universal Agent 6.3.x Installation, Upgrade, and Applying Maintenance.

The following information is provided:

- System requirements
- Downloading the Universal Agent 6.3.x for UNIX distribution file.
- Extracting and installing the Universal Agent 6.3.x on UNIX.
- Licensing Universal Agent components.
- Encrypting passwords.
- Executing a Universal Command job.
- Executing a Universal Data Mover job.
- Running a system query.

System Requirements

UNIX Versions

One of the following UNIX operating systems that are supported by Universal Agent 6.3.x:

- AIX 5.3 TL9 and above
- HP-UX 11.23 and above (HP-UX IA64 package)
- Solaris 9 and above (SPARC-based)
- Solaris 10 and above (Intel-based)
- Linux Environments with the following qualifications:
    - 2.6 kernel or greater
    - RedHat Package Manager (RPM)
    - Intel (x86) Compatible Systems
    - x86_64 systems (minimum 2.6 kernel and above)
    - zSeries 64-bit (S/390) systems (minimum 2.6 kernel and above)
    - Debian-based systems (minimum 3.0 kernel and above, Debian Package Manager)

> ⚠️ **Note**
> The following Universal Agent for Linux systems require glibc 2.5-42 or higher:
> - Native 64-bit package for x86_x64-based systems
> - Debian-based systems

The list of supported systems grows rapidly. Contact Stonebranch, Inc. for a current list of supported UNIX operating systems if you require support for a system that is not listed.

Additional Requirements

- Superuser (root) access.
- TCP/IP Socket implementation.
- Approximately 400 megabytes of disk space for the installation. More disk space is required for variable files, such as log files, spool files, and trace files.
- Bourne shell or compatible.

Platform Requirements

Since platform requirements may change with new releases of a product, see Platform Support for Universal Controller 6.4.x and Universal Agent 6.3.x to make sure that your platform is supported before performing an installation.

Downloading the Universal Agent 6.3.x for UNIX Distribution File

Stonebranch Inc. provides separate Universal Agent 6.3.x for UNIX product distribution files for different UNIX operating systems:

- AIX
- HP-UX
- Solaris: Intel-Based and SPARC-Based
- Linux: x86-Based, x86_64-Based, and IBM S/390 and zSeries

These product distribution files are available for download from the Stonebranch Customer Portal.

A customer user name and password - provided by Stonebranch, Inc. - are required to access this area.

Installing Universal Agent 6.3.x for UNIX

Step 1	Download the Universal Agent 6.3.x for UNIX product distribution file to your work station.
Step 2	Issue a zcat command to uncompress and extract the installation files from the distribution file.
Step 3	To start the installation, issue the following command: `sh ./unvinst`
Step 4	The output from **unvinst** is written to file **install.log** in the current directory.

Licensing your Universal Agent 6.3.x for UNIX Components

After Universal Agent 6.3.x for UNIX has been installed, you must configure the following Universal Agent 6.3.x components with product licenses before they can be used:

- Universal Command Manager
- Universal Connector
- Universal Data Mover
- Universal Application Container Server

> ⚠️ **Note**
> Universal Application Container Server (as a component of Universal Command Agent for SOA 6.3.x for UNIX) is packaged, and licensed, separately.

For each component, product license information (license parameter keywords and their values) is contained in a separate text file provided by your Stonebranch, Inc. account representative.

The format of the product license file name is: *<component name>_<customer name>_<operating system>_<schedule or solution>*.txt. For example: **Agent_Stonebranch_UNIX_A1.txt**.

Universal Command Manager License File

For Universal Command Manager, **Agent** is used as the *<component name>* in the product license file name and as the name of the product in the product license file itself - see below.

The following is a sample Universal Command Manager for UNIX product license file:

```
License_Product "AGENT"
License_Customer "STONEBRANCH"
License_OS_Type "UNIX"
License_Type "PERPETUAL"
License_Expiration_Date 2029.12.31          YYYY.MM.DD
License_NT_Servers 100
License_UNIX_Servers 100
License_OS400_Servers 10000
License_OS390_Servers 10000
License_Tandem_Servers 10000
License_OS390_Unix_Servers 10000
License_Key ABCD-1234-EFGH-5678-IJKL-MNOP-9999
```

Universal Data Mover Manager License File

For Universal Data Mover Manager, **UDM** is used as the *<component name>* in the product license file name and as the name of the product in the product license file itself - see below.

The following is a sample Universal Data Mover Manager for UNIX product license file:

```
License_Product "UDM"
License_Customer "STONEBRANCH"
License_OS_Type "UNIX"
License_Type "PERPETUAL"
License_Expiration_Date 2029.12.31          YYYY.MM.DD
License_NT_Servers 100
License_UNIX_Servers 100
License_OS400_Servers 10000
License_OS390_Servers 10000
License_OS390_Unix_Servers 10000
License_Key ABCD-1234-EFGH-5678-IJKL-MNOP-9999
```

Licensing Method

Enter each component's product license file information into its configuration file:
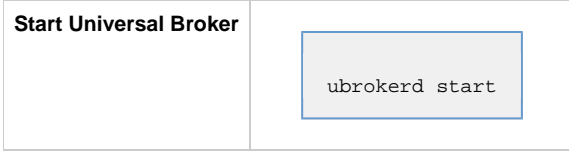
- Universal Command Manager: **ucmd.conf**
- Universal Connector: **usap.conf**
- Universal Data Mover Manager: **udm.conf**
- Universal Application Container Server: **uacs.conf**

It is recommended that you enter license information at the end of the file. (The values are specified in the same syntax as all other configuration options.)

Restart Universal Broker

For Universal Broker to read the license information, you must stop and restart it:

Stop Universal Broker	
| | ```
ubrokerd stop
``` |

Start Universal Broker	
	```ubrokerd start```

Encrypting User ID and Password for Job Execution

Job execution demands a user ID and password. This information should be stored in an encrypted file, which Universal Command and Universal Data Mover will process before starting a job.

Step 1	Create a file containing a user ID (-userid *id*) and a password (-pwd *password*).
Step 2	Run the Universal Encrypt utility to encrypt the contents of the file.
Step 3	Execute Universal Command and Universal Data Mover using the encrypted file (-encryptedfile *filename*) option.

Executing a Universal Command Job

The command line syntax for executing Universal Command for UNIX is:

```
ucmd -cmd command | script file -host hostlist -encryptedfile filename [additional options]
```

Executing a Universal Data Mover Job

The command line syntax for executing Universal Data Mover for Windows is:

```
udm
open [primary={*| local | host-name} [optional parameters]] secondary=host-name [optional parameters]
UDM command {required parameters} [optional parameters]
```

Running a System Query

Use the Universal Query utility to query the Universal Broker for Broker-related and active component-related information. Universal Query returns information for the Universal Broker, as specified by configuration options on the command line or in a configuration file, as well as information regarding the components managed by Universal Broker.

The command line syntax for executing Universal Query for UNIX is:

```
uquery -host hostaddress [additional options]
```