



**stonebranch**

Universal Agent 7.0.x for UNIX

Quick Start Guide

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# Universal Agent 7.0.x for UNIX Quick Start Guide

- [Objective](#)
- [System Requirements](#)
  - [UNIX Versions](#)
  - [Additional Requirements](#)
  - [Platform Requirements](#)
- [Downloading the Universal Agent 7.0.x for UNIX Distribution File](#)
- [Installing Universal Agent 7.0.x for UNIX](#)
- [Licensing your Universal Agent 7.0.x for UNIX Components](#)
  - [Universal Command Manager License File](#)
  - [Universal Data Mover Manager License File](#)
  - [Licensing Method](#)
  - [Restart Universal Broker](#)
- [Encrypting User ID and Password for Job Execution](#)
- [Executing a Universal Command Job](#)
- [Executing a Universal Data Mover Job](#)
- [Running a System Query](#)

## Objective

This Universal Agent 7.0.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 7.0.x Installation, Upgrade, and Applying Maintenance](#).

The following information is provided:

- System requirements
- Downloading the Universal Agent 7.0.x for UNIX distribution file.
- Extracting and installing the Universal Agent 7.0.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 7.0.x:

- AIX 6.1 TL1 and above, 64-bit
- HP-UX 11.23 and above (HP-UX IA64 package)
- Solaris 10 and above (SPARC-based)

#### Note

Universal Agent for Solaris 10 systems require [libxnet.so](#) version SUNW\_1.3.1 or higher.

#### Note

The Python 3.6 Distribution for Universal Agent requires [libintl.so](#) version 0.18.1.1, REV=2011.03.15 or higher. The install will proceed if the required dependency does not exist, but the UA-specific python instance will not run until libintl is available.

- Solaris 10 and above (Intel-based)

#### Note

The Python 3.6 Distribution for Universal Agent requires [libintl.so](#) version 0.18.1.1, REV=2011.03.15 or higher. The install will proceed if the required dependency does not exist, but the UA-specific python instance will not run until libintl is available.

- Linux Environments with the following qualifications:
  - Intel x86\_64-based system
    - Linux Kernel 3.10 or greater
    - glibc 2.17-78 or higher
  - IBM PowerPC-based system
    - Linux Kernel 3.10 or greater
    - glibc 2.17-157 or higher
    - Configured for little endian (LE)
  - zSeries 64-bit (S/390) system

- Linux Kernel 2.6 or greater
- glibc 2.4-31 or greater
- RedHat Package Manager (RPM) distributions
- Debian distributions
  - Linux Kernel 3.0 or greater
  - glibc 2.15 or higher

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 7.0.x and Universal Agent 7.0.x](#) to make sure that your platform is supported before performing an installation.

## Downloading the Universal Agent 7.0.x for UNIX Distribution File

Stonebranch Inc. provides separate Universal Agent 7.0.x for UNIX product distribution files for different UNIX operating systems:

- AIX
- HP-UX
- Solaris: Intel-Based and SPARC-Based
- Linux: x86\_64-Based, 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 the Customer Portal.

## Installing Universal Agent 7.0.x for UNIX

<b>Step 1</b>	Download the Universal Agent 7.0.x for UNIX product distribution file to your work station.
<b>Step 2</b>	Issue a <code>zcat</code> command to uncompress and extract the installation files from the distribution file.
<b>Step 3</b>	To start the installation, issue the following command: <code>sh ./unvinst</code>
<b>Step 4</b>	The output from <code>unvinst</code> is written to file <code>install.log</code> in the current directory.

## Licensing your Universal Agent 7.0.x for UNIX Components

Note



A Universal Agent eventually will be required to obtain its license information from a Universal Controller or UCAM installation. Support for locally-configured license information will be removed at that time.

After Universal Agent 7.0.x for UNIX has been installed, you must configure the following Universal Agent 7.0.x components with [product licenses](#) before they can be used:

- Universal Command Manager
- Universal Connector for SAP
- Universal Connector for PeopleSoft
- Universal Data Mover
- Universal Application Container Server

Note



Universal Application Container Server (as a component of Universal Command Agent for SOA 7.0.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 2030.12.31          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, **MFT** 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 "MFT"
License_Customer "STONEBRANCH"
License_OS_Type "UNIX"
License_Type "PERPETUAL"
License_Expiration_Date 2030.12.31          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 for SAP: **usap.conf**
- Universal Connector for PeopleSoft: **upps.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:

<b>Stop Universal Broker</b>	<code>ubrokerd stop</code>
<b>Start Universal Broker</b>	<code>ubrokerd start</code>

## 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.

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