

Ubisense Installation Guide

for DIMENSION4

Version 3.5

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Contents

Ubisense Installation Guide for DIMENSION4	1
The Ubisense installation process	2
Requirements	3
Server Hardware Requirements	3
Server Software Requirements	3
Additional Requirements for Windows Installations	4
Additional Requirements for Linux Installations	4
Platform user	5
Operations group	5
Windows client machine	5
Unzipping Software to a Distribution Directory	6
Installing the Server Software on Windows	7
Installing the Server Software	7
Starting the Server Software	8
Installing the Server Software on Linux	10
Installing the Server Software	10
Starting the Server Software	10
Service security and Authentication using Cached Service Credentials on Linux	18
Configuration Parameters	19
Warnings and Errors	19
Platform Dataset	19
Configuring Operations Permissions	20
Backing up your Dataset	20
Installing Licenses on Windows	21
Installing Licenses on Linux	22
Installing Admin Machines on Windows	23
Installing Admin Machines on Linux	25
Installing Client Machines on Windows	26

Installing Client Machines on Linux	28
Managing tools and documents	
Managing applications	26

Ubisense Installation Guide for DIMENSION4

A DIMENSION4 installation comprises the core Ubisense software required to run DIMENSION4 alongside the software required to configure your D4 RTLS to locate tags in real-time.

These instructions guide you through installing Ubisense DIMENSION4 software. They include a description of the organization and installation of Ubisense software across server, admin and client machines; prerequisites for installation; and the stages of the installation process.

DIMENSION4 installations can range in size from a single computer running all DIMENSION4 software, for example for evaluation purposes, to several servers with associated admin and client machines in a large industrial setting. DIMENSION4 can be installed and run on Windows and Linux computers and an installation may include a mix of these, for example with Linux servers and Windows client machines, and the instructions that follow include information for both Linux and Windows.



For Windows computers, installation files (.msi) are supplied. However, because of the variations between Linux distributions and between package management systems used by different Enterprise configurations, Ubisense do not provide an automatic installation method for Linux. Instead the instructions describe the necessary state of a Ubisense platform installation on Linux, prerequisites for the installation, the layout and permissions expected, and example scripts.

The next section provides an overview of the installation process and subsequent sections take you through installing DIMENSION4 step by step.

The Ubisense installation process

Ubisense requires software to be installed on three types of machine: server, admin and client.

- Servers run the core and controller software, and the Ubisense platform from which you
 can start and stop the Ubisense servers. Ubisense servers can run on either Windows or
 Linux (see <u>Requirements</u> for supported versions).
- The software installed on an admin machine enables you to manage the installation and deployment of DIMENSION4 features across your entire DIMENSION4 installation.
- On client machines, you will find the DIMENSION4 applications available to users according to the DIMENSION4 features you have licensed.

Depending on your requirements, you might install all three DIMENSION4 machines on a single computer or you might spread the installation over a number of machines.

The following are the steps required to set up a new installation:

- 1. Install the Ubisense server software onto the relevant machine(s).
- 2. Start the core server and service controllers.
- 3. Install licenses.
- 4. Install the Ubisense admin software onto the relevant machines.
- 5. Install and deploy licensed DIMENSION4 features.
- 6. Install the Ubisense client software onto the relevant machines.
- 7. Download DIMENSION4 software to client machines.

Requirements

This section describes the hardware and software prerequisites for a DIMENSION4 installation.

Server Hardware Requirements

Exact requirements for server hardware will depend on such things as the number of sensors and tags in your installation or the number of users querying any browser-based applications you have licensed. Contact Ubisense for further guidance on the specific requirements for your installation.

The following is an illustration of an installation with two servers running DIMENSION4 and SmartSpace with the Visibility component.

Feature	Server 1 (DIMENSION4 + SmartSpace core)	Server 2 (Windows server server running IIS)
Processor	Quad-core Intel® Xeon® processors 3400 series	16-core Intel® Xeon® processors
Memory	8 GB	8 GB
Ethernet Interface	Gigabit Network Adapter	Gigabit Network Adapter
Virtualization	For information about virtualization, contact Ubisense Support.	For information about virtualization, contact Ubisense Support.

Server Software Requirements

Ubisense supports the following operating systems:

Windows

- Windows Server 2012 R2 (Windows Server 2012 is also supported, but customers should upgrade to R2, per Microsoft advice)
- Windows Server 2016
- Windows Server 2018 R2

Additionally, for client machines (and for proofs of concept, with the agreement of Ubisense Support):

Requirements

- Windows 7.0 Professional
- Windows 8.1 Professional (Windows 8.0 has been withdrawn by Microsoft and customers should upgrade to 8.1 or Windows 10)
- Windows 10 Enterprise

Linux

- SUSE Linux Enterprise Server (SLES) 11 SP4
- SUSE Linux Enterprise Server (SLES) 12 SP2
- Red Hat® Enterprise Linux® (RHEL) 7.0
- Red Hat® Enterprise Linux® (RHEL) 7.3

Additional Requirements for Windows Installations

You may need to install Microsoft® .NET Framework 4.7.1 if this was not included in your Windows software.

Additional Requirements for Linux Installations

The following are requirements for Linux computers onto which server or admin machines are to be installed:

- Platform executables require a 32-bit libstdc++ compatible with libstdc++.so.6.0.8, which means any libstdc++.so.6.0.X where X >= 8.
- The executables also require the 32-bit (i386) /lib/ld-linux.so.2.
- The firewall should be disabled on the server.
- In order to work around kernel bind(0) behavior, the local dynamicport range should be changed.
 - Either: place the following in an init script such as /etc/rc.d/rc.local: sysctl -w net.ipv4.ip_local_port_range=32768 49978
 - Or: place the following in /etc/sysctl.conf: net.ipv4.ip_local_port_range=32768
 49978

After reboot or applying sysctl -p, the property net.ipv4.ip_local_port_range can be checked with sysctl -a.

Platform user

A user should be configured to execute platform services. We will refer to this as the *platform* user.

Operations group

A group should be configured for operations. Users in this group should be able to perform production operations, including starting and stopping the platform services, making and restoring backups, and performing other diagnostic and support roles, such as license management and platform service upgrades. The platform user might be in the operations group.

Windows client machine

In order to run the Location System Config software, you will need access to a Windows computer to install a client machine.

Unzipping Software to a Distribution Directory

The DIMENSION4 software is supplied as a zipfile with the name DIMENSION4 followed by numbers indicating the version of the software, for example **DIMENSION4**, 3_3_669.zip. Before you install DIMENSION4, you need to unzip this file into a *distribution directory* accessible to the machines on which you will be installing the software.

Installing the Server Software on Windows

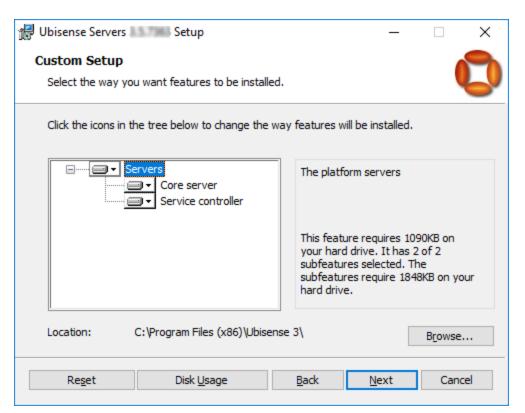
Installing the Server Software

On each machine you want to use as a server, you must install the Ubisense server software.

During the installation process, for each server machine you can choose to install either the core server or service controller or both. If you intend to run SmartSpace on a single server, you need to install both the core server and service controller on that machine. For an installation with more than one server, you need to run the core server on one machine only and the service controller on the rest, and you can install the components accordingly.

To install the server software:

- 1. Go to the **servers\windows** directory of your DIMENSION4 distribution directory.
- 2. Double-click the **UbisenseServers.msi** file and the Ubisense Servers Setup wizard appears.
- 3. Click **Next** to display the Custom Setup dialog.



- 4. Choose the components to install.
 - By default, all features are selected. Choose whether to install or exclude items using the dropdowns beside their names. **Reset** returns you to the default selection.
- 5. Choose the location for the software.
 - You can accept the default C:\Program Files (x86)\Ubisense 3 or click Browse to select another destination.
- 6. Click Next and click Install.
- 7. When the installation is complete, click **Finish** to close the Ubisense Servers Setup wizard.

You have now installed Ubisense Platform Control and the Ubisense server software onto your computer. Using Platform Control to start the server software is described in the next section.

Starting the Server Software

After you have installed the server software, you need to start the core server and service controller(s).

To start the server software:

- 1. From a DIMENSION4 server, run Platform Control.
- 2. For a new installation, you need to choose a location for your dataset:
 - In the **Properties** section, browse to the required location (creating a new folder, if needed) and click **OK** (new).
- 3. Start the core server and service controller by:
 - a. Selecting UbisenseCoreServer 3 and then clicking Start.
 - b. Selecting **UbisenseServiceController 3** and then clicking **Start**.

See the information below for information on starting services with a single server or multiple servers.

You are offered only the server components installed on the machine (see *Installing the Server Software*).

The status of each service changes to **to be started**.

4. Click **Apply**. The status of each service changes to **running**.

Running DIMENSION4 on a Single Server

If you want to configure DIMENSION4 to run on a single server, run Platform Control on the

server and:

- In Services, ensure you have started *both* the core server and the service controller.
- *Don't* select **run in standalone mode** if you want access to you network (and to sensors).

Running DIMENSION4 on Multiple Servers

If you want to configure DIMENSION4 to run on more than one server, you must:

- Assign one server to be the core server and *on this machine only* run Platform Control and in Services start the core server.
- On all other server machines, run Platform Control and in Services start the service controller.
- *Don't* select **run in standalone mode** if you want access to you network (and to sensors).

Backing up your Dataset

After you have set up your DIMENSION4 installation, ensure that you back up your dataset occasionally, so that you can recover your data. To take a backup, use the **Backup Dataset** option, and then compress the folder.

You can also use the **ubisense_backup.exe** command-line tool from the **tools\windows** folder of your distribution directory to backup your dataset.

Installing the Server Software on Linux

Installing the Server Software

For Linux servers, there are two executables: **ubisense_core_server** and **ubisense_local_control**. You can find them in the following locations in the distribution directory:

```
servers/linux/ubisense_core_server
servers/linux/ubisense_local_control
```

If you want to run DIMENSION4 on a single server, copy both of these files to that machine.

If you want to run DIMENSION4 on several servers, copy **ubisense_core_server** onto one server machine only and **ubisense_local_control** onto the remainder of the machines.

Starting the Server Software

On each server machine, one or both of the ubisense_core_server and ubisense_local_control services should be executed on startup, depending on whether the machine is to act as a core server, a service controller, or both. These services should be executable by the platform user, and no other user, to avoid accidental execution. Because of the variations between Linux distributions, Ubisense do not ship standard startup scripts for these executables, but examples are provided:

Sample init.d scripts for core server and service controller

Core Server

```
#!/bin/bash
#
# Init file for Ubisense core platform server
#
# chkconfig: 345 98 02
# description: Ubisense core platform for linux
# processname: ubisense_core_server
# config: /etc/ubisense.conf
# source function library
```

```
if [ -e /etc/rc.d/init.d/functions ]
then
   . /etc/rc.d/init.d/functions
else
 # steal status() from /etc/rc.d/init.d/functions on a RH box
status() {
       local base=${1##*/}
       local pid
       # Test syntax.
       if [ "$\#" = 0 ] ; then
              echo $"Usage: status {program}"
               return 1
       fi
       # First try "pidof"
       pid=`pidof -o $$ -o $PPID -o %PPID -x $1 || \
            pidof -o $$ -o $PPID -o %PPID -x ${base}`
       if [ -n "$pid" ]; then
               echo $"${base} (pid $pid) is running..."
               return 0
       fi
       # Next try "/var/run/*.pid" files
       if [ -f /var/run/${base}.pid ] ; then
               read pid < /var/run/${base}.pid</pre>
               if [ -n "$pid" ]; then
                       echo $"${base} dead but pid file exists"
                       return 1
               fi
       fi
       # See if /var/lock/subsys/${base} exists
       if [ -f /var/lock/subsys/${base} ]; then
               echo $"${base} dead but subsys locked"
               return 2
       fi
       echo $"${base} is stopped"
       return 3
fi
```

Installing the Server Software on Linux

```
# pull in sysconfig settings
[ -f /etc/ubisense.conf ] && . /etc/ubisense.conf
PLATFORM USER=${PLATFORM USER:-platform}
UBISENSE CORE SERVER=/home/platform/bin/i586 linux 2.6/ubisense core server
export UCONFIG=/etc/ubisense/platform.conf
RETVAL=0
prog="ubisense"
start()
       echo -n $"Starting ubisense core server:"
       if [ -e /etc/rc.d/init.d/functions ]
          daemon --check ubisense_core_server --user=platform ${UBISENSE_CORE_SERVER} -d
       else
          startproc -u platform ${UBISENSE CORE SERVER} -d
        touch /var/lock/subsys/ubisense_core_server
}
stop()
{
       echo -n $"Stopping ubisense core server:"
        if [ -e /etc/rc.d/init.d/functions ]
          killproc ubisense core server
       else
           killproc ${UBISENSE CORE SERVER}
       fi
        rm -f /var/lock/subsys/ubisense core server
       echo
}
case "$1" in
      start)
               start
               ;;
       stop)
               stop
               ;;
       restart)
               stop
               start
               ;;
       status)
               status ubisense_core_server
               ;;
       *)
               echo $"Usage: $0 {start|stop|restart|status}"
```

RETVAL=1

esac

exit \$RETVAL

Installing the Server Software on Linux **Local Controller**

```
#!/bin/bash
# Init file for Ubisense local controller
# chkconfig: 345 99 01
# description: Ubisense local controller for linux
# processname: ubisense_local_control
# config: /etc/ubisense.conf
# source function library
if [ -e /etc/rc.d/init.d/functions ]
then
  . /etc/rc.d/init.d/functions
else
 # steal status() from /etc/rc.d/init.d/functions on a RH box
 status() {
       local base=${1##*/}
       local pid
       # Test syntax.
       if [ "$\#" = 0 ] ; then
               echo $"Usage: status {program}"
               return 1
       fi
       # First try "pidof"
       pid=`pidof -o $$ -o $PPID -o %PPID -x $1 || \
            pidof -o $$ -o $PPID -o %PPID -x ${base}`
       if [ -n "$pid" ]; then
               echo $"${base} (pid $pid) is running..."
               return 0
       fi
       # Next try "/var/run/*.pid" files
       if [ -f /var/run/${base}.pid ] ; then
               read pid < /var/run/${base}.pid</pre>
               if [ -n "$pid" ]; then
                       echo $"${base} dead but pid file exists"
                       return 1
               fi
       fi
       # See if /var/lock/subsys/${base} exists
       if [ -f /var/lock/subsys/${base} ]; then
               echo $"${base} dead but subsys locked"
               return 2
       fi
       echo $"${base} is stopped"
       return 3
fi
# pull in sysconfig settings
[ -f /etc/ubisense.conf ] && . /etc/ubisense.conf
```

Installing the Server Software on Linux

```
PLATFORM USER=${PLATFORM USER:-platform}
UBISENSE LOCAL CONTROL=/home/platform/bin/i586 linux 2.6/ubisense local control
export UCONFIG=/etc/ubisense/platform.conf
RETVAL=0
proq="ubisense"
start()
       echo -n $"Starting ubisense local control:"
       if [ -e /etc/rc.d/init.d/functions ]
             daemon --check ubisense local control --user=platform ${UBISENSE LOCAL CONTROL} -d
        else
             startproc -u platform ${UBISENSE_LOCAL CONTROL} -d
       touch /var/lock/subsys/ubisense local control
}
stop()
       echo -n $"Stopping ubisense local control:"
       if [ -e /etc/rc.d/init.d/functions ]
          killproc ubisense_local_control
       else
         killproc ${UBISENSE LOCAL CONTROL}
       rm -f /var/lock/subsys/ubisense local control
       echo
case "$1" in
       start)
               start
               ;;
       stop)
               stop
               ;;
       restart)
                stop
               start
       status)
                status ubisense local control
               ;;
       *)
               echo $"Usage: $0 {start|stop|restart|status}"
               RETVAL=1
esac
exit $RETVAL
```

Sample systemd scripts for a RedHat Linux machine

The following example illustrates the use of sysemd scripts for DIMENSION4 with the core and controller executables on a single Red Hat® Linux machine.



The instructions assume the core server and local controller executables (ubisense_core_server and ubisense_local_control) are in /home/platform/bin/i586_linux. If this is not the case, the service files (ubisense_core_server.service and ubisense_local_control.service) will have to be updated to reflect the location of the executable.

 Add a target file ubisense_service.target in /etc/systemd/system containing the following:

```
[Unit]
Description=ubisense_service Target
Requires=multi-user.target
After=multi-user.target
AllowIsolate=yes
```

2. Run the following commands:

```
systemctl list-units --type service
systemctl daemon-reload
systemctl enable ubisense_service.target
systemctl isolate ubisense_service.target
ln -sf /etc/systemd/system/ubisense_service.target
/etc/systemd/system/default.target.wants/
```

- 3. Reboot the machine.
- 4. Check the status of the target using the command below to make sure the target is active and running:

```
systemctl list-units --type target
```

5. Add a service file **ubisense_core_server.service** in **/etc/systemd/system** containing the following:

Installing the Server Software on Linux

```
[Unit]
Description=ubisense_core_server daemon
After=multi-user.target

[Service]
Type=forking
ExecStart=/home/platform/bin/i586_linux_2.6/ubisense_core_server -d

[Install]
WantedBy=ubisense service.target
```

6. Add a service file **ubisense_local_control.service** in **/etc/systemd/system** containing the following:

```
[Unit]
Description=ubisense_local_control Daemon
After=multi-user.target

[Service]
Type=forking
ExecStart=/home/platform/bin/i586_linux_2.6/ubisense_local_control -d

[Install]
WantedBy=ubisense service.target
```

7. Run the following commands:

```
systemctl daemon-reload
systemctl enable ubisense_local_control.service
systemctl enable ubisense_core_server.service
```

- 8. Reboot the machine.
- 9. To list the status of the services run the following command:

```
systemctl list-units --type service
```

Service security and Authentication using Cached Service Credentials on Linux

If you are running on a Linux server and configure a security policy in Service Manager that requires services to authenticate as a user, using **ubisense_cache_service_credentials**, then you must run the core and controller software with the -d flag (as shown in the examples above). Otherwise all services will still have a connected stdin/stdout and will attempt to prompt for credentials rather than reading the cached service credentials. See *Ubisense Security Manager* on

the SmartSpace website at http://www.ubisensesmartspace.com/ for information on configuring security.

Configuration Parameters

On Linux, the local configuration parameters for each core or controller machine are set, by default, in a configuration file. This file contains configuration parameters for the local platform processes, such as the location of the dataset and the networking mode. The default location expected by all platform executables is /etc/ubisense/platform.conf. If another location is to be used, then the environment variable UCONFIG should be defined: it is recommended this be set in startup scripts for all users on the server, but it certainly is required for the platform user and all users in the operations group. UCONFIG should be the full path of platform.conf in its desired location.

Configuration parameters are each on a single line in the file, with a colon and white-space separating the name of the parameter from the value. For example:

```
platform_dataset: /mnt/syn013/ubisense/production/dataset
no_multicast_mode: 1
server unicast addresses: 10.1.5.207,10.1.16.73
```

Warnings and Errors

Immediate warnings and errors when starting the two platform service executables are logged to the Linux syslog. On a typical Linux distribution they will either in /var/log/messages or /var/log/warn. If the services will not run, check these locations for more information.

Platform Dataset

The platform dataset is the directory where both the **ubisense_core_server** and **ubisense_local_control** services store platform state. Files in this directory comprise the configuration and ongoing operational state of the platform core, and of all the services configured to run on the local controller.

This directory should be owned by the platform user with full control. The operations group should also have read permission, to allow backup. Restore requires that the backup be copied here and all files set to have platform ownership. See *Configuring Operations Permissions*.

The default platform dataset location is /home/platform/dataset. To set a different location, set platform_dataset in the platform.conf file.

Configuring Operations Permissions

If your Linux distribution supports sudo, then the operations group can be assigned permission to start and stop the platform services, and to change ownership of files to the platform user. For example, the following lines might be added to the end of the /etc/sudoers file using visudo.

```
%operations ALL = (root) NOPASSWD: /sbin/service ubisense_core_server *, \
/sbin/service ubisense_local_control *, \
/bin/chown -R platform *, /bin/chown platform *
```

With this configuration, any user who is in the operations group will be able to run **sudo /sbin/service** ... to stop, start and get the status of just the platform services. They will also be able to restore platform dataset backups and set the ownership of the restored files back to the platform user.

Backing up your Dataset

After you have set up your DIMENSION4 installation, ensure that you back up your dataset occasionally, so that you can recover your data. Use the **ubisense_backup** command-line tool from the **tools\linux** folder of your distribution directory to backup your dataset.

Installing Licenses on Windows

DIMENSION4 feature licenses are supplied as a zipfile with the name **FeatureSetup.zip**. Before you install the licenses, you need to unzip this file into a directory accessible to a server machine from which **ubisense_core_server** will be executed.

To install DIMENSION4 licenses:

- 1. Go to the directory where you unzipped the licenses.
- 2. Double-click the **FeatureSetup.msi** file and the Ubisense Feature Licenses Setup Wizard appears.
- 3. Click Next and the Ubisense Feature Licenses Setup wizard appears.
- 4. By default all licenses are selected for installation to the default location C:\Program Files (x86)\Ubisense 3\bin.
 - Click on the directory tree of licenses, click on individual features and choose whether or not they are to be installed
 - Click **Reset** to return the licenses selection to its default setting
 - Click Browse to navigate to a different directory to install the licenses in
- 5. When you have selected the files and location you require, click Next and then click **Install**.
- 6. When installation is complete, click **Finish** to close the wizard.

Installing Licenses on Linux

License files must be placed on the server so that the platform can find them. The default location is in the directory /etc/ubisense. If a different location is required, then the license_search_path can be defined in platform.conf (see <u>Configuration Parameters</u> for information on the location of this file). Each program also searches for licenses in the same directory as its executable. Licenses should be readable by both the platform user and by the operations group.

Installing Admin Machines on Windows

To install the Ubisense software for an admin machine:

- 1. Go to the **clients\windows** directory of your DIMENSION4 distribution directory.
- 2. Double-click the **UbisenseServiceManager.msi** file and the Ubisense Service Manager Setup wizard appears.
- 3. Click Next.
- 4. Choose the Destination Folder for the software.
 You can accept the default C:\Program Files (x86)\Ubisense 3 or change to another destination.
- 5. Click **Next** and click **Install**.
- 6. When the installation is complete, click **Finish** to close the Ubisense Service Manager Setup wizard.

You have now installed Ubisense Service Manager onto your computer and you can now install and deploy DIMENSION4 features.



Before you can install and deploy features, you must install their licenses.

- 1. From an admin machine, run Service Manager 3.
- 2. Click on INSTALL SERVICES.
- 3. Specify the directory from which to install.

This is generally the **packages** folder in your DIMENSION4 distribution directory. Click **Recently used** do select previous locations of features.

4. Select the features you want to install.

Use **Select all** or **Clear all** or click on individual features to indicate which items you want to install.

- All DIMENSION4 features are listed.
- All licensed features are selected by default.
- Unlicensed features are shown preceded by [Unlicensed]. You cannot select these features.

Installing Admin Machines on Windows

- 5. Click **Install**.
- 6. When installation is complete, click **Close** to close the Installing Services dialog.

You have now installed your DIMENSION4 features. In Ubisense Service Manager you can see which services have been deployed by the installed features. Click on **MANAGE SERVICES** to display the status of installed services and manage their deployment.

Installing Admin Machines on Linux

Administrative executables, used to configure and maintain the running state of the Ubisense platform, should be executable by the operations group.

Your distribution directory contains the following admin executables:

tools/linux/ubisense_backup
tools/linux/ubisense_cache_service_credentials
tools/linux/ubisense_configuration_client
tools/linux/ubisense_file_downloader
tools/linux/ubisense_installer
tools/linux/ubisense_machine_id
tools/linux/ubisense_multicast_test
tools/linux/ubisense_proxyconfig_admin
tools/linux/ubisense_restore_dataset
tools/linux/ubisense_save_dataset
tools/linux/ubisense_service_admin
tools/linux/ubisense_service_ping
tools/linux/ubisense_trace_receiver
tools/linux/ubisense_transfer_config

Installing Client Machines on Windows

In Windows, the Ubisense Application Manager allows you to perform the following configuration activities on a client machine:

- Set up Start menu shortcuts for client applications
- Download various command-line tools and DIMENSION4 documents to a specified location on a client machine

To install the Ubisense software for a client machine:

- 1. Go to the **clients\windows** directory of your DIMENSION4 distribution directory.
- 2. Double-click the **UbisenseApplicationManager.msi** file and the Ubisense Application Manager Setup wizard appears.
- 3. Click Next.
- Choose the Destination Folder for the software.
 You can accept the default C:\Program Files (x86)\Ubisense 3 or change to another destination.
- 5. Click **Next** and click **Install**.
- 6. When the installation is complete, click **Finish** to close the Ubisense Application Manager Updater Setup wizard.

You have now installed the Ubisense Application Manager and can now configure shortcuts to client applications and download documents and other files to your client machine.

Managing applications

To create shortcuts to DIMENSION4 applications:

- 1. Run the Ubisense Application Manager and click on **APPLICATIONS**.
- 2. Available applications are listed, with their version numbers and, where applicable, location on the Start menu.

Choose the applications you want to install.

- Double-click a single application
- Select several applications and press Enter

3. Click Create shortcuts for selected applications.

Shortcuts are created in the Start menu in the locations indicated.

Managing tools and documents

To download DIMENSION4 command-line tools and documents to a selected directory:

- 1. Run the Ubisense Application Manager and click on **DOWNLOADABLES**. Command-line tools and documents are listed in different categories.
- 2. Choose the tools or documents you want to download.
- 3. Specify the directory to install the files in and click **Start download**.

The files are downloaded to the specified directory.



Whenever you upgrade your DIMENSION4 installation, you must follow the process described above to replace your existing tools and documents with upgraded versions.

Installing Client Machines on Linux

In order to avoid the use of incompatible versions of DIMENSION4 administrative and configuration tools, these tools are installed into the platform along with service upgrades. You can then download the current version of each tool onto your Linux client machine using the **ubisense_file_downloader**.

Run the tool with no arguments for help.

For example, to download all Linux tools currently available to the current directory, run:

```
> ubisense_file_downloader download --linux-only .
```

To force the overwriting of existing downloads, add --force.