

AnyLink Installation Guide

AnyLink 7



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About This Document

Intended Audience

This guide is intended for developers and system administrator who want to install and uninstall the Tmax AnyLink[®] (hereafter AnyLink) server and AnyLink Studio.

Required Knowledge

Basic knowledge of software is necessary to understand this guide.

Document Scope

This document only contains information related to installing and uninstalling AnyLink. For information regarding using, operating, and managing AnyLink, refer to the relevant documents.

Document Organization

This guide consists of five chapters.

- Chapter 1: Introduction

Describes the components and key features of AnyLink.

- Chapter 2: Pre-installation Requirements

Describes the preparations needed before installing AnyLink.

- Chapter 3: AnyLink Server Installation and Uninstallation

Describes how to install and uninstall the AnyLink server.

- Chapter 4: AnyLink Studio Installation and Uninstallation

Describes how to install and uninstall AnyLink Studio.

- Chapter 5: Remote Agent Installation and Uninstallation

Describes how to install a remote agent in Unix/Linux and Windows.

Conventions

Convention	Meaning
<AaBbCc123>	File name of a program source code.
<Ctrl>+C	Hold the control key and press C.
[Button]	GUI button or menu name.
Bold	Emphasis.
" "(Double Quotes)	Reference to other documentations, or chapters and sections in the manual.
"Input Item"	Description for an input item on the screen.
Hyperlink	E-mail account, website.
>	Progress order of menus.
+----	Files or directories exist below.
----	Files or directories do not exist below.
Note	Reference or note.
Caution	Caution
[Figure 1.1	Figure name.
[Table 1.1]	Table name.
AaBbCc123	Java code, XML document
[<i>command argument</i>]	Option Parameter
< xyz >	Information between'< >' are changed to actual values
	Option. (E.g. A B: One of A or B)
...	Repeated

Chapter 1. Introduction

This chapter describes the basic concepts of AnyLink as well as its components and key features.

1.1. Overview

Enterprises construct interfacing systems in order to manage interfaces (which are becoming more complex) in a unified and standardized method.

The following is a list of major types of interfacing systems.

- EAI, Enterprise Application Integration
- ESB, Enterprise Service Bus
- MCI, Multi-Channel Interface
- FEP, Front End Processor

Interfacing systems have common functions and similar characteristics. However, interfacing systems solutions are produced and provided to meet the needs of each specific area of concern. This means as systems become more complex, integration and standardization issues occur in systems that are constructed/operated by using solutions provided by different vendors.

To resolve these issues, AnyLink has been designed as a **channel interface backbone** that virtualizes the interfaces of enterprise systems into a single architecture as well as quickly processing and delivering various types of massive data.

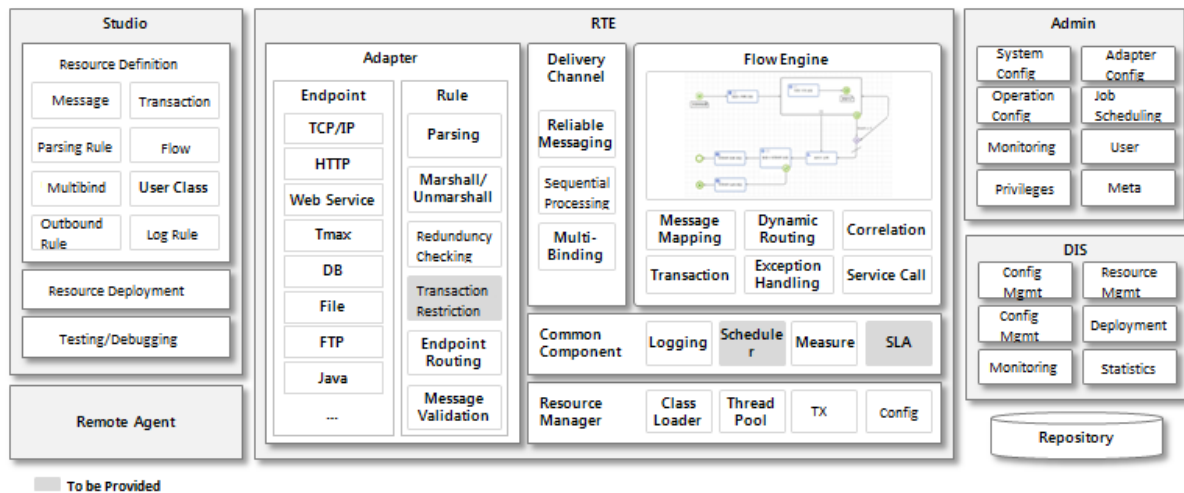
Moreover, AnyLink provides a platform for configuring various interfacing systems, and provides a development and operation environment for unified development and operation of all systems.

AnyLink is provided as a **cloud platform** based on a cloud infrastructure that can rapidly integrate and scale interfaces as well as reliably accommodate the diversification of channels in the large-scale business environment.

1.2. Configuration

AnyLink consists of Studio, Remote Agent, Run Time Engine, WebAdmin, and Data Integration Server.

[Figure 1.1] AnyLink System Diagram



• Studio

This is an Eclipse-based tool that can define transactions and related resources. It provides an environment that can define transactions, messages, message mapping, parsing rules, flows, outbound rules, and user classes.

Resources defined by using Studio are stored in the DIS and then deployed to the RTE. The resources stored in the DIS can be downloaded and used for development.

• Remote Agent

To remotely handle inbound and outbound transactions, the remote agent of the remote server is used. The remote agent replaces the role of the adapter endpoint. It handles inbound and outbound messages, and sends or receives messages via the hub endpoint and TCP tunneling.

• RTE, Runtime Engine

The runtime engine consists of the resource manager, adapter, delivery channel, and flow engine.

Category	Description
Resource Manager	Manages common resources in the runtime environment, and manages class loaders, thread pools, transactions, and configurations.
Adapter	Sends/receives, parses, marshals, and unmarshalls messages, and calls services.
Delivery Channel	Finds the location of the called service, and executes flows, outbound rules, and multi-binding, and sends messages.

Category	Description
Flow Engine	Executes activities, events, and gateways sequentially or in parallel, according to the flow and condition defined in Studio.

- **WebAdmin**

WebAdmin is an operation management tool. It manages systems, configurations, deployment, monitoring, and users/permissions.

Category	Description
System	<p>Defines and manages multiple Biz Systems, and the Biz Systems can be configured as a single server cluster or single server.</p> <p>The remote agent for integration in a remote network can also be added as a Biz System.</p> <p>Each Biz System defines adapters and maps transactions defined in Studio in order to identify and handle transactions when a transaction request message is received.</p>
Configuration	Manages the RTE configuration, transaction restrictions, SLA configuration, logging configuration, and job/scheduler configuration.
Deployment	Manages deployment status and history, and migration.
Monitoring	Supports real-time performance monitoring and daily statistics.
Admin	Manages users and their permissions.

- **DIS, Data Integration Server**

Stores and manages the information of components and configurations defined in WebAdmin as well as the resources defined in Studio.

The resource and configuration information are processed in the format required in the RTE, and then deployed. It performs real-time querying of the RTE performance information for monitoring, or calculates the statistics of the transaction information stored in the DB. The DIS queries information such as the JEUS domain configuration information and data sources via the JEUS DAS (Domain Administration Server), allowing AnyLink to be configured more easily.

Chapter 2. Pre-installation Requirements

This chapter describes the preparations needed before installing AnyLink.

2.1. Overview

The follow must be done before installing AnyLink.

- Secure enough system space for installing the AnyLink server and Studio.
- Install JDK 7.0.
- Install Tiberio (or another DBMS).

2.2. System Requirements

This section describes the system requirements for installing the AnyLink server and Studio.

2.2.1. Server

The following software and hardware are required to install the AnyLink server.

- System Requirements

Platform	Hardware	Software
Solaris	1GB of hard disk space	JDK 7.0
HP-UX	1GB of memory (minimum 512MB)	Oracle (10g, 11g, 12c)
AIX		Tiberio 6 (FixSet03)
Linux		JEUS 7 (Fix#3)

- Platform Support Environment

Platform	CPU	RAM Memory	HDD Space
Solaris9~11	UltraSPARC 9, 10, 11	1GB	20GB

Platform	CPU	RAM Memory	HDD Space
	Intel X86 Series 10		
HP-UX 11.x, 11i, 11iV2	PA-RISC 11.x (11.11) Intel Itanium64 11.x (11.23, 11.31)	1GB	20GB
AIX 5L,6L, 7L	RS6000 IBM pSeries (PowerPC)	1GB	20GB
Linux (Kernel 2.6 and higher)	Intel x86 series k2.6 and higher (k2.4 supported) Intel Itanium Series k2.6 and higher IBM pSeries (PowerPC) k2.6 and higher	1GB	20GB

2.2.2. Studio

The following software and hardware are required to install the Studio.

- System Requirements

Platform	Hardware	Software
Windows 7(64bit)	1GB of hard disk space 1GB of memory (minimum 512MB)	JDK 7.0

- Platform Support Environment

Platform	CPU	RAM Memory	HDD Space
Windows 7(64bit)	1GHZ (Windows 7 recommended specification)	1GB	500MB

2.2.3. Remote Agent

The following software and hardware are required to install the remote agent.

- System Requirements

Platform	Hardware	Software
Solaris	1GB hard disk space	JDK 7.0
HP-UX	1GB memory (minimum 512MB)	
AIX		
Linux		
Windows 7(64bit)		

- Platform Support Environment

Platform	CPU	RAM Memory	HDD Space
Solaris9~11	UltraSPARC 9, 10, 11 Intel X86 Series 10	1GB	20GB
HP-UX 11.x, 11i, 11iV2	PA-RISC 11.x (11.11) Intel Itanium64 11.x (11.23, 11.31)	1GB	20GB
AIX 5L,6L, 7L	RS6000 IBM pSeries (PowerPC)	1GB	20GB
Linux (Kernel 2.6 and higher)	Intel x86 series k2.6 and higher (k2.4 supported) Intel Itanium Series k2.6 and higher IBM pSeries (PowerPC) k2.6 and higher	1GB	20GB
Windows 7(64bit)	1GHZ (Windows 7 recommended specification)	1GB	20GB

2.3. Installation Procedure

The product is installed in the following steps.

1. Install the AnyLink server.
2. Install the Studio.
3. Install the remote agent.

Chapter 3. Installing and Uninstalling the Server

This chapter describes how to install and uninstall the AnyLink server.

3.1. Installation

Execute the console installer to install AnyLink in Unix/Linux. The console installer suggests default values in the installation process. Since it is impossible to go back to a previous step in a shell, entered values can be changed after the installation.

The following describes how to install AnyLink in Unix/Linux.

1. Upload the AnyLink installation file (AnyLink_unix_en.bin) to the server, and go to the directory that contains the file.
2. Grant execution permission to the file.

```
chmod u+x AnyLink_unix_en.bin
```

3. Enter the file name in the console and then press the <ENTER> key.

```
anylink@node:~$ ./AnyLink_unix_en.bin
Preparing to install...
Extracting the installation resources from the installer archive...
Configuring the installer for this system's environment...
strings: '/lib/libc.so.6': No such file

Launching installer...

Preparing CONSOLE Mode Installation...

=====
AnyLink                               (created with InstallAnywhere by Macrovision)
=====
```

4. A brief introduction about the installer will be displayed. Press the <ENTER> key to proceed to the next step.

```
=====
Introduction
-----

InstallAnywhere will guide you through the installation of AnyLink.

It is strongly recommended that you quit all programs before continuing with
this installation.

Respond to each prompt to proceed to the next step in the installation. If you
want to change something on a previous step, type 'back'.

You may cancel this installation at any time by typing 'quit'.

PRESS <ENTER> TO CONTINUE:
```

5. The license agreement will be displayed.

```
=====
License Agreement
-----

Installation and Use of AnyLink Requires Acceptance of the Following License
Agreement:

AnyLink
This Software is made by 'TmaxSoft Co.,Ltd.' and this software is distributed
under our license agreement.

Software End-User License Agreement

Product : AnyLink
This is a legal agreement between you (either an individual or an entity) and
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licenses for the software, then at any time you may have as many copies of the
software in use as you have licenses.
```

```
The software is "in use" on a computer when it is loaded into the temporary  
  
PRESS <ENTER> TO CONTINUE:
```

6. Press the <ENTER> key to see more information about the license agreement.

```
memory (i.e., RAM) or installed into the permanent memory (e.g., hard disk,  
CD-ROM, or other storage device) of that computer, except that a copy installed  
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```

```
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```

```
PRESS <ENTER> TO CONTINUE:
```

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```
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decompile, or disassemble the software, except to the extent that the  
foregoing restriction is expressly prohibited by applicable law.
```

```
TmaxSoft Co., Ltd.
```

```
DO YOU ACCEPT THE TERMS OF THIS LICENSE AGREEMENT? (Y/N): y
```

8. Choose a platform to install AnyLink and enter its number. To use the default value, press <ENTER>. Otherwise, enter the number of the desired platform.

```
=====
Choose Platform
-----

Choose the operating system and architecture :
1)HP-UX PA-RISC
2)HP-UX Itanium
3)Solaris UltraSPARC
4)Solaris x86
5)Solaris x64
6)AIX 5.x, 6.x, 7.x PowerPC
7)Linux Itanium
8)Linux x86
9)Linux x64
10)Linux PowerPC 64
Quit) Quit Installer

Choose Current System (DEFAULT: 9):
```

9. Select the installation directory. To use the default value, press <ENTER>. To select a different directory, enter the desired installation directory.

```
=====
Installation Folder
-----

Enter the installation folder.

Default Install Folder: /home/anylink/jeus7

ENTER AN ABSOLUTE PATH, OR PRESS <ENTER> TO ACCEPT THE DEFAULT
:
```

10. Select Installation Mode. By default, Production Mode is selected.

```
=====
Installation Mode
-----

* Production Mode
- Disables JEUS Hot Swap.
- Disables Automatic Reloading.
- Displays a warning message and recommends using a full license if a demo
```

```

license is used.

* Development Mode
- Enables JEUS Hot Swap.
- Enables Automatic Reloading.

->1- Production Mode
   2- Development Mode
   3- Cancel

ENTER THE NUMBER OF THE DESIRED CHOICE, OR PRESS <ENTER> TO ACCEPT THE
DEFAULT:

```

11. Enter the location of JDK. If <ENTER> is pressed without any location, then the automatically recognized JDK location will be used.

```

=====
Enter the JDK path.
-----

Enter the JDK path:

Enter the JDK path (DEFAULT: /home/anylink/jdk1.7.0_79):

```

- 12 Enter the password of the JEUS admin. The entered password will be assigned to the administrator ID. The password will be required for starting JEUS.

```

=====
Password Input
-----

Enter the Password for the administrator account.

Input Password::

Corfirm Password::

```

- 13 Enter the domain name to be used for the Domain Admin Server.

```

=====
User Domain name
-----

Enter the Domain name

Enter the domain name (DEFAULT: AnyLink_domain):

```

14. Enter the IP address of the LocalHost in which the AnyLink server will be installed.

```
=====
Get User LocalHost IP
-----

IP (DEFAULT: 127.0.1.1):
```

15. Enter the DIS port.

```
=====
Get User Variable
-----

DIS Port (DEFAULT: 7127):
```

16. Select the type of the repository DB used by the AnyLink server. Currently, Tibero and Oracle are supported.

```
=====
Choose DBMS type
-----

->1- Tibero
   2- Oracle

ENTER THE NUMBER FOR YOUR CHOICE, OR PRESS <ENTER> TO ACCEPT THE DEFAULT:
:
```

17. The following screen is displayed when Tibero is selected as the repository DB. Enter the connection information of the repository DB used by the AnyLink server.

```
=====
Get Tibero JDBC Source
-----

Enter requested information

Tibero DB NAME (DEFAULT: tibero):
```



```
Tibero Port (DEFAULT: 9629):

Tibero DB Server IP (DEFAULT: 127.0.1.1):

Tibero User ID (DEFAULT: tibero):

Tibero PassWord (DEFAULT: tmax):
```

18 If a repository DB already exists, select whether to delete it.

```
=====
Drop Table
-----

Do you want to delete the existing database schema?

->1- YES
   2- NO

ENTER THE NUMBER OF THE DESIRED CHOICE, OR PRESS <ENTER> TO ACCEPT THE
DEFAULT:
```

19 Determine whether to create a table in the repository DB.

```
=====
Create Table
-----

Do you want to create a new database schema?

->1- YES
   2- NO

ENTER THE NUMBER OF THE DESIRED CHOICE, OR PRESS <ENTER> TO ACCEPT THE
DEFAULT:
```

20 View the pre-installation summary. Check each item and then press <ENTER> to start the installation.

```
=====
Pre-Installation Summary
-----

Review the Following Before Continuing:

Product Name:
    AnyLink
```

```

Install Folder:
    /home/anylink/jeus7

Link Folder:
    /home/anylink

Install Set
    Domain Admin Server

Disk Space Information (for Installation Target):
    Required:  821,169,125 bytes
    Available: 916,542,095,360 bytes

PRESS <ENTER> TO CONTINUE:

```

21. The installation will start, as displayed by the progress bar.

```

=====
Installing...
-----

[=====|=====|=====|=====]
[-----|-----|-----|-----]

```

- 22 The installation completion screen will be displayed when the installation is completed.

```

=====
CHECK RUN SQL
-----

DB TABLE CREATE SUCCESS!!

PRESS <ENTER> TO CONTINUE:

=====

Installation Complete
-----

AnyLink has been successfully installed to:

    /home/anylink/jeus7

PRESS <ENTER> TO EXIT THE INSTALLER:

```

3.2. Installation Verification

This section describes how to verify the installation as well as starting the server.

3.2.1. Directory Structure

The following directory will be created when the AnyLink server is installed.

```
$AnyLink_HOME/jeus7
+---- bin
+---- db_scripts
+---- dis_config
+---- domains
+---- AnyLink-licenses
|---- lib
      +----anylink
      +----client
      +----datasource
      +----endorsed
      +----etc
      +----jext
      +----licenses
      +----schemas
      +----shared
      +----system
      +----systemapps
      +----thirdparty
+---- license
|---- logs
      +---- AnyLink
+---- nodemanager
+---- server
```

bin

Contains the server boot and shutdown scripts startDomainAdminServer, startManagedServer, and stopServer as well as execution files such as the JEUS console tool (jeusadmin).

dis_config

Contains the dis-config.xml file, which has the DIS server's configuration information.

db_scripts

Contains the DB script files for using AnyLink.

domains

Contains the nodes.xml file, which has the information of nodes used in DOMAIN_HOME and JEUS_HOME for each domain.

AnyLink-licenses

Contains license files of open sources used in AnyLink.

lib

Contains the library used for starting JEUS. Users do not need to access directories other than the shared directory.

license

Contains the JEUS license file. The license file is needed for executing JEUS.

logs

Contains AnyLink log files.

nodemanager

Contains the jeusnm.properties file, which is a configuration file for the JEUS node manager.

server

Contains the files used in the DIS server.

3.2.2. Server Startup

When all installations have been successfully completed, start the AnyLink server as follows.

- Start the data integration server (DIS)

Start the DIS server in the same method as starting the JEUS server's DAS server.

```
$startDomainAdminServer -domain <domain_name> -u administrator -p <password>
```

E.g.

```
$startDomainAdminServer -domain AnyLink_domain -u administrator -p jeusadmin
```

- Start the runtime engine (RTE)

Start the RTE server in the same method as starting the JEUS server's MS server.

```
$startManagedServer -domain <domain_name> -server <server_name> -u administrator  
-p <password>
```

E.g.

```
$startManagedServer -domain AnyLink_domain -server server1 -u administrator -p
jeusadmin
```

3.3. Uninstallation

The following describes how to uninstall AnyLink in console mode.

1. Execute \$AnyLink_HOME/UninstallerData/Uninstall in the path in which AnyLink is installed.

```
[anylink@node UninstallerData]$./Uninstall
```

2. The uninstallation will proceed. The Uninstallation Complete screen will be displayed when the uninstallation is completed.

```
Preparing CONSOLE Mode Installation...

=====
AnyLink                               (created with InstallAnywhere by Macrovision)
-----

=====

Uninstall AnyLink
-----

About to uninstall...

AnyLink

This will remove features installed by InstallAnywhere.  It will not remove
files and folders created after the installation.

PRESS <ENTER> TO CONTINUE:

=====

Uninstalling...
-----

...*
*
*****
```

```

*****
*****
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. . . *
*
*****
*****
*****
*****
. . . *
*
*****
*****
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. . . *
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. . . *
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*****
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*****

=====
Uninstallation Complete
-----

All items were successfully uninstalled.

```

3.4. Uninstallation Verification

Check that the directories and installed files have been deleted in the path where the AnyLink server is installed. Files created after the server is installed are not deleted, so they must be deleted manually.

Chapter 4. Installing and Uninstalling Studio

This section describes how to install and uninstall AnyLink Studio.

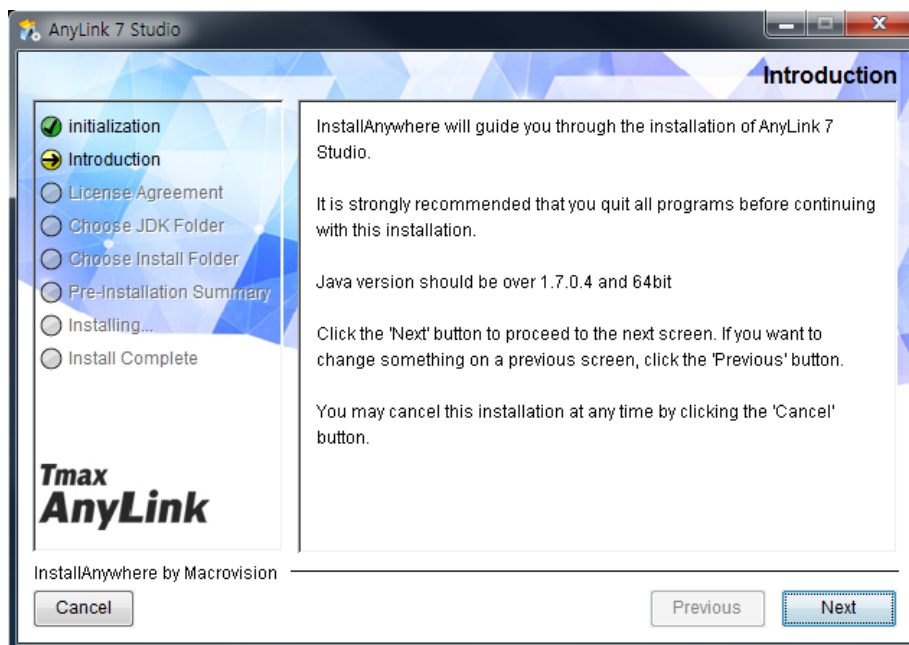
4.1. Installation

Install AnyLink Studio in Windows as it was developed using the Eclipse IDE.

The following describes how to install AnyLink studio.

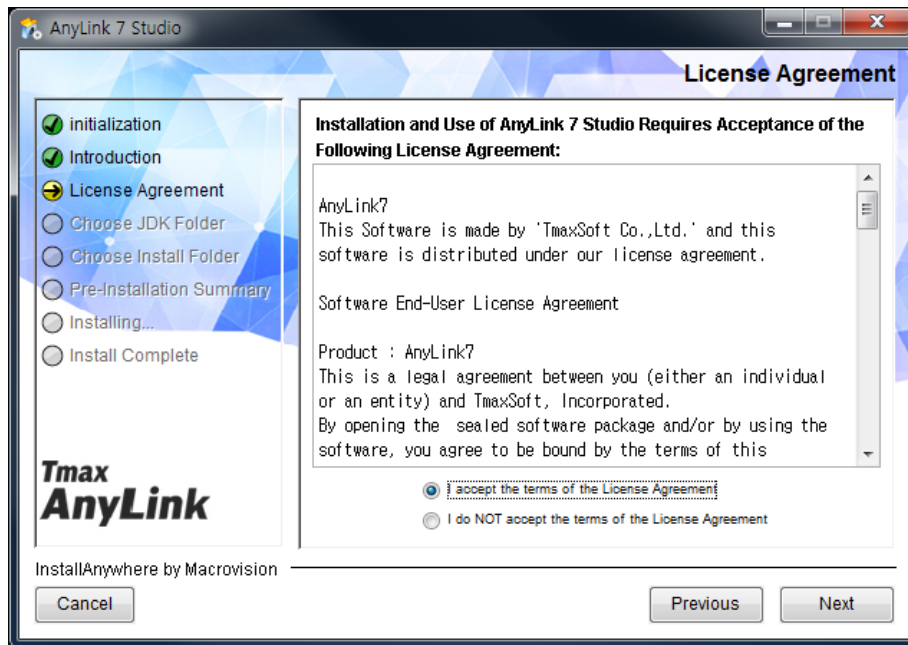
1. Go to the directory that contains the AnyLink Studio installer (AnyLink_Studio_7.exe), and execute the file.
2. When the installation is started, the AnyLink Studio introduction screen will be displayed. Check the description about the product and then click **[Next]** to proceed to the next step. Clicking **[Cancel]** will stop the installation, and clicking **[Previous]** will go back to the previous step.

[Figure 4.1] AnyLink Studio Installer - Introduction



3. The TmaxSoft license agreement screen will be displayed. Read the description and select **"I accept the terms of the License Agreement"** and then click **[Next]** to accept the agreement. If not, the installation cannot proceed.

[Figure 4.2] AnyLink Studio Installer - License Agreement



4. Choose the directory in which JDK is installed and click **[Next]**. If JDK was not installed in the default directory, then click **[Choose...]** to choose the location of the JDK directory. To restore JDK's default installation directory, click **[Restore Default Location]**.

[Figure 4.3] AnyLink Studio Installer - Choose JAVA Folder (1)



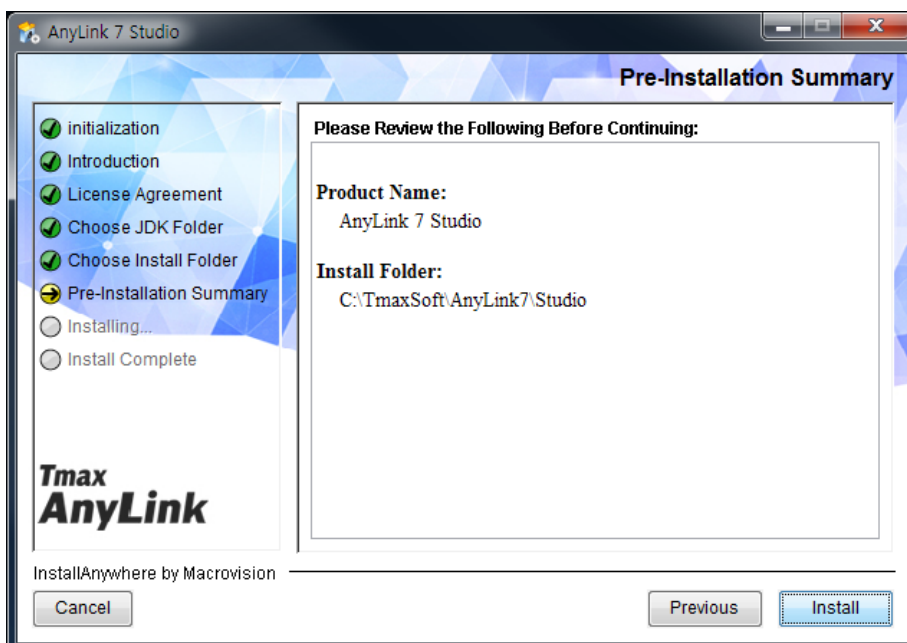
5. Choose the directory in which AnyLink Studio will be installed and click **[Next]**. In order not to use the default directory, click **[Choose...]** to choose another installation location. To restore the default installation directory, click **[Restore Default Location]**.

[Figure 4.4] AnyLink Studio Installer - Choose the Java Folder (2)



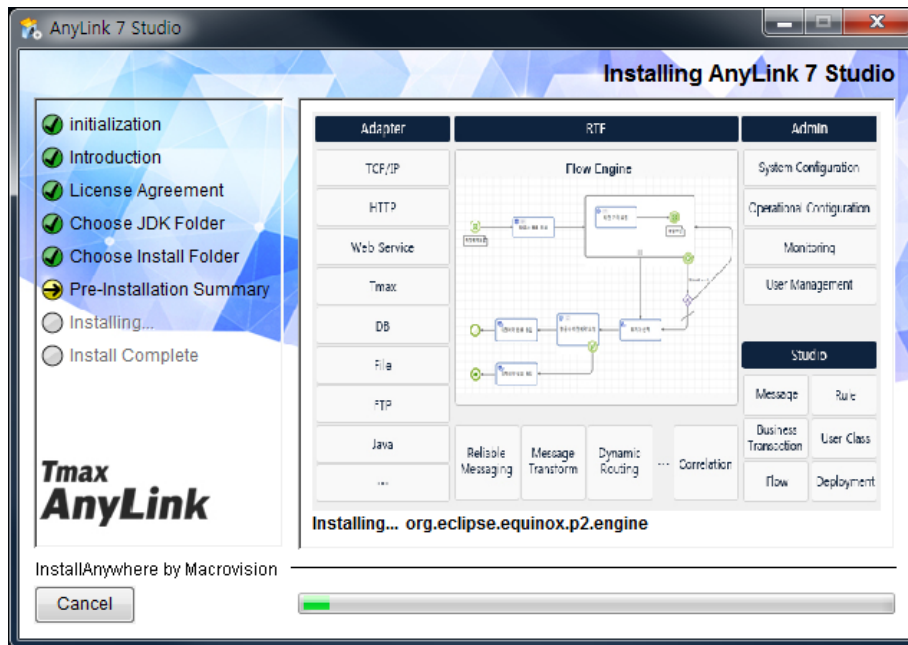
6. The pre-installation summary will be displayed before the installation starts. Check that all the settings have been properly set and then click **[Install]** to proceed with the installation. To change any settings, click **[Previous]** to go back to the previous screen.

[Figure 4.5] AnyLink Studio Installer - Pre-Installation Summary (1)



7. Start the AnyLink Studio installation. The installation progress will be displayed through the progress bar.

[Figure 4.6] AnyLink Studio Installer - Pre-Installation Summary (2)



8. Check that AnyLink Studio has been installed and then click **[Done]**. The installation will end.

[Figure 4.7] AnyLink Studio Installer - Installation Complete



4.2. Installation Verification

This section describes how to verify that the installation is completed as well as how to start Studio.

4.2.1. Directory Structure

The following directory will be created when AnyLink Studio is successfully installed.

```
$AnyLink_STUDIO_HOME
+---- configuration
+---- features
+---- licenses
+---- p2
+---- plugins
+---- UninstallerData
```

configuration

Contains the temporary files created automatically when AnyLink Studio is executed.

features

Contains the license file required for using AnyLink Studio. If the license file does not exist, then the user cannot use AnyLink Studio and the user must manually copy the license file.

licenses

Contains AnyLink Studio's open source license files.

p2

Stores the license files of external libraries used in AnyLink Studio.

plugins

Contains Eclipse's plugin files and AnyLink's plugin files.

UninstallerData

Stores the various projects created by using AnyLink Studio. The location can be changed in the Studio settings.

4.2.2. Startup Verification

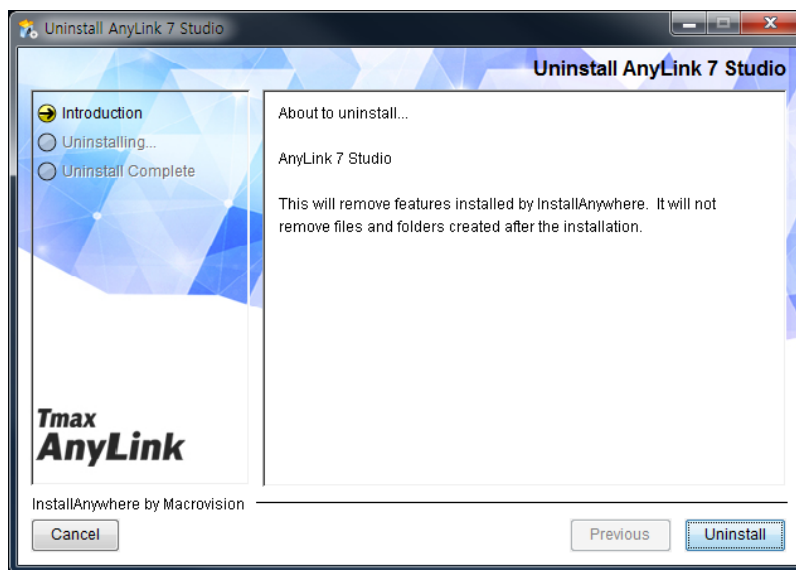
If Studio has been successfully installed, then execute studio by clicking **[Start] > [All Programs] > [TmaxSoft] > [AnyLink7] > [Studio] > [AnyLink]** in Windows.

4.3. Uninstallation

The following describes how to uninstall AnyLink Studio.

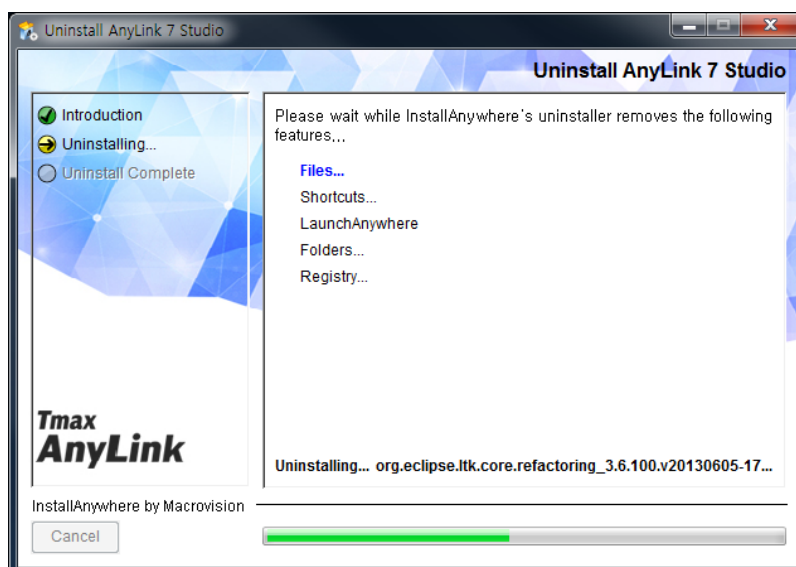
1. [Start] > [All Programs] > [TmaxSoft] > [AnyLink7] > [Studio] > [Uninstall].
2. The uninstallation screen will be displayed. Check the uninstallation message and click **[Uninstall]** to uninstall Studio.

[Figure 4.8] AnyLink Studio Uninstallation



3. The uninstallation will start.

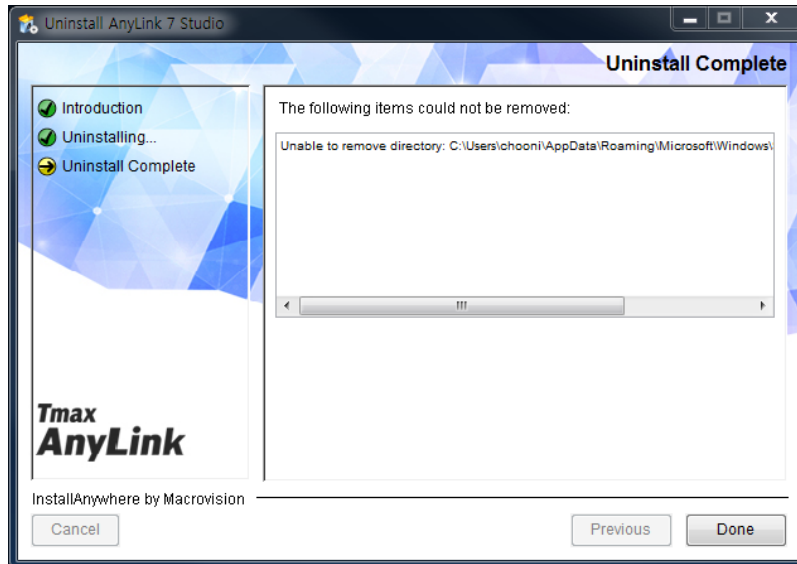
[Figure 4.9] AnyLink Studio Uninstallation Progress



4. When AnyLink Studio has been uninstalled, then a message will be displayed indicating that the uninstallation has been completed.

Click **[Done]** to complete the uninstallation.

[Figure 4.10] AnyLink Studio Uninstallation Complete



4.4. Uninstallation Verification

Check that the installation directory specified in the installer has been completely removed. If the user executes the uninstaller directly in the uninstaller directory, then the installation directory and the uninstaller directory can remain as empty directories. This is normal, so delete them manually.

Files and directories added after the installation are not automatically deleted. To delete those files and directories, the user must manually delete them.

Chapter 5. Installing and Uninstalling the Remote Agent

This chapter describes how to install the remote agent in Unix/Linux and Windows.

5.1. Installation and Uninstallation in Unix/Linux

5.1.1. Installation

To install the product in Unix/Linux, the console installer must be executed. The console installer suggests default values in the installation process. Since it is impossible to go back to a previous step in a shell, entered values can be changed after the installation.

The following describes how to install AnyLink in Unix/Linux.

1. Upload the AnyLink remote agent installation file (AnyLink_RemoteAgent.bin) to the server, and go to the directory that contains the file.
2. Grant execution permission to the file.

```
chmod u+x AnyLink_RemoteAgent.bin
```

3. Enter the file name in the console, and then press <ENTER>.

```
anylink@node:~$ ./AnyLink_RemoteAgent.bin Preparing to install... Extracting the
installation resources from the installer archive... Configuring
the installer for this system's environment... strings:
'/lib/libc.so.6': No such file Launching installer... Preparing
CONSOLE Mode Installation...

=====
AnyLink_RemoteAgent (created with InstallAnywhere by Macrovision)
=====
```

4. An introduction about the installer will be displayed. Press <ENTER> to go to the next step.

```

=====
Introduction ----- InstallAnywhere will guide you through
the installation of AnyLink_RemoteAgent. It is strongly
recommended that you quit all programs before continuing with this
installation. Respond to each prompt to proceed to the next step
in the installation. If you want to change something on a previous
step, type 'back'. You may cancel this installation at any time by
typing 'quit'. PRESS <ENTER> TO CONTINUE:

```

5. The AnyLink remote agent license agreement screen will be displayed.

```

=====
License Agreement ----- Installation and Use of
AnyLink_RemoteAgent Requires Acceptance of the Following License
Agreement: Installation and Use of AnyLink Remote Agent(hereafter,
Software) Requires Acceptance of the Following License Agreement:
TmaxSoft Co., Ltd. (hereafter, TmaxSoft) License Agreement
(hereafter,Agreement) Product : AnyLink Remote Agent This is a
legal agreement between you (either an individual or an entity)
and TmaxSoft, Incorporated. By opening the sealed software package
and/or by using the software, you agree to be bound by the terms
of this agreement. AnyLink Software License 1. Grant of license:
TmaxSoft hereby grants you a non-exclusive, non-transferable,
non-sublicensable limited license to the Software and any
intellectual property related to the Software including, but not
limited to, user manuals and implementation instructions. You
should read this Agreement carefully before opening the Software
package, installing or using the Software. Once you open the
Software package, install or use the PRESS <ENTER> TO
CONTINUE:

```

6. Determine whether to accept the license agreement. To accept, enter "Y" and then press <ENTER>. To reject, enter "N" and then press <ENTER>.

```

Software, you are deemed to have
agreed to the contents of this Agreement. 2. Copyright: The
Software and all related intellectual property is owned by
TmaxSoft and protected by copyright laws and international treaty
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restrictions: You shall not rent, lease, or lend the Software and
accompanying materials on a permanent basis to any individual or
company. You shall not, nor permit any third party to reverse
engineer, decompile, disassemble, modify, adapt, create derivative

```



```
works from or otherwise attempt to derive source code from the
Software provided. TmaxSoft Co., Ltd. DO YOU ACCEPT THE TERMS OF
THIS LICENSE AGREEMENT? (Y/N): y
```

7. Select the installation directory. To use the default value, press <ENTER>. To change the directory, enter the installation path.

```
=====
Choose Install Folder ----- Where would you like to
install? Default Install Folder: /home/anylink/AnyLinkRA ENTER AN
ABSOLUTE PATH, OR PRESS <ENTER> TO ACCEPT THE DEFAULT
:
```

8. Re-check the entered directory information. To change to a different directory, select "2 - Change.." and press <ENTER>.

```
=====
Directory Check ----- User Specified Directory exists.
To overwrite AnyLink_RemoteAgent, click 'Overwrite'. To choose
Different directory, click 'Change'. To cancel the installation,
click 'Cancel'. ->1- Overwrite 2- Change... 3- Cancel ENTER THE
NUMBER OF THE DESIRED CHOICE, OR PRESS <ENTER> TO ACCEPT THE
DEFAULT:
```

9. Enter the JDK location. If <ENTER> is pressed without any location, then the automatically recognized JDK location will be used.

```
=====
Choose JDK Folder ----- Please Choose a Folder: Input
User JDK Folder (DEFAULT: /home/anylink/jdk1.7.0_79):
```

- 10 Enter the IP address of the server in which the AnyLink remote agent is installed. (xxx.xxx.xxx.xxx)

```
=====
Input User RemoteAgent IP ----- Enter requested
information Agent IP (DEFAULT: 127.0.0.1):
```

11. Enter the port that will be used by the AnyLink remote agent.

```
=====
Input User RemoteAgent Port ----- Enter
requested information Agent Port (DEFAULT: 25100): File Send Port
(DEFAULT: 25110): Manager Port (DEFAULT: 25120):
```

- 12 The pre-installation summary will be displayed.

Press <ENTER> to start the installation.

```
=====
Pre-Installation Summary ----- Please Review
the Following Before Continuing: Product Name: AnyLink_RemoteAgent
Install Folder: /home/anylink/AnyLinkRA Disk Space Information
(for Installation Target): Required: 30,906,755 bytes Available:
916,017,520,640 bytes PRESS <ENTER> TO CONTINUE:
```

13 The installation will start along with the progress bar.

```
=====
Installing... -----
[=====|=====|=====|=====]
[-----|-----|-----|-----]
```

14 The installation complete screen will be displayed when the installation is completed.

```
=====
Installation Complete ----- Congratulations.
AnyLink_RemoteAgent has been successfully installed to:
/home/anylink/AnyLinkRA PRESS <ENTER> TO EXIT THE INSTALLER:
```

5.1.2. Installation Verification

This section describes how to check the installation as well as how to start the server.

Directory Structure

The following directory will be created if the AnyLink remote agent is normally installed.

```
$AnyLink_RemoteAgent_HOME +---- bin +---- config |----
                           lib +---- agent +---- common +---- manager |---- logs
```

bin

Contains the server start and terminate scripts, start and stop execution files.

config

Contains the agent.xml, manager.xml, and logging.properties files, which have the server's configuration information.

lib

Contains the agent's and the manager's libraries.

logs

Contains the AnyLink remote agent log files.

Startup Verification

The remote agent can be started by executing start.sh in the AnyLink remote agent HOME.

```
anylink@po3:~/AnyLinkRA/bin$ ./start.sh
***** -
AGENT Home : /home/anylink/AnyLinkRA
***** +
/home/anylink/jdk1.7.0_79/bin/java -Xmx512m -server
-Djava.util.logging.config.file=
/home/anylink/AnyLinkRA/config/logging.properties -Djava.class.path=
/home/anylink/AnyLinkRA/lib/common/*:/home/anylink/AnyLinkRA/lib/manager/*
-Dagent.home= /home/anylink/AnyLinkRA -cp
/home/anylink/AnyLinkRA/lib/common/*:
/home/anylink/AnyLinkRA/lib/manager/*
com.tmax.AnyLink.agent.manager.AgentManagerMain start
===== INIT LOGGER =====
DailyRollingFileHandler(version:2.1.6). Setting level=FINEST,
formatter=com.tmax.AnyLink.util.logging.CompactFormatter@63acd9bf,
filter=null, errorManager=java.util.logging.ErrorManager@690bbdb8,
encoding=null, valid-day=1, valid-hour=0, valid-minute=0,

pattern=/home/anylink/AnyLinkRA/logs/agent_%d{1}.log(/home/anylink/AnyLinkRA/logs/agent_%d{1}.log),

append=true, keepDays=1, async=false [com.tmax] named logger is
j.u.l.Logger DailyRollingFileHandler.applyProperties(version:2.1.6).
Setting level=FINEST,
formatter=com.tmax.AnyLink.util.logging.CompactFormatter@5c52fbe5,
filter=null, errorManager=java.util.logging.ErrorManager@4c17a6bd,
encoding=null, valid-day=1, valid-hour=0, valid-minute=0,

pattern=/home/anylink/AnyLinkRA/logs/agent_%d{1}.log(/home/anylink/AnyLinkRA/logs/agent_%d{1}.log),

append=true, keepDays=1, async=false
```

5.1.3. Uninstallation

Manually uninstall the remote agent in the AnyLink remote agent HOME.

5.1.4. Uninstallation Verification

Check that the directory and the installed file have been deleted in the path in which the AnyLink remote agent is installed.

5.2. Installation and Uninstallation in Windows

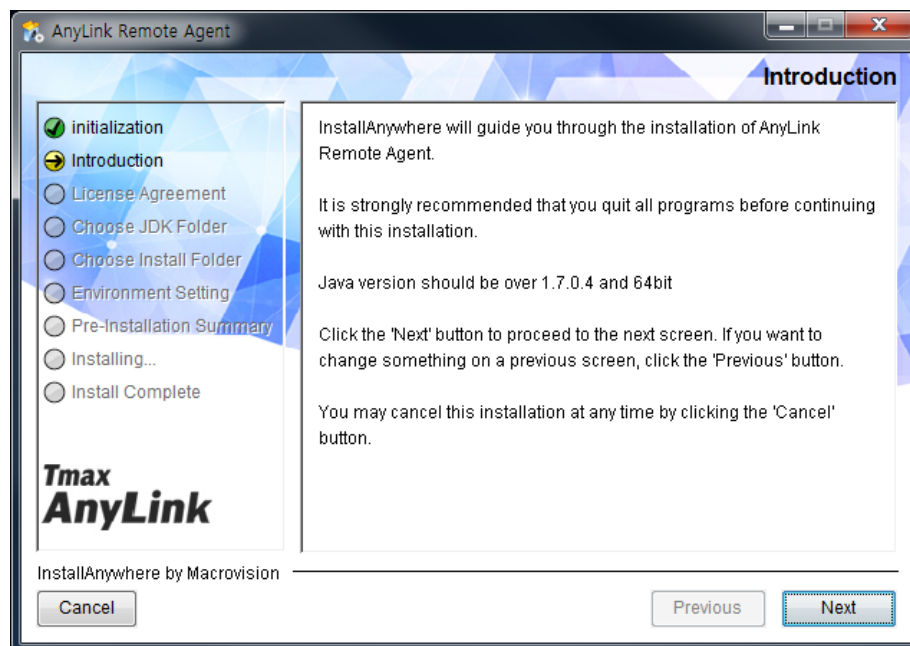
This section describes how to install and uninstall the remote agent in Windows.

5.2.1. Installation

The following describes the installation process in Windows.

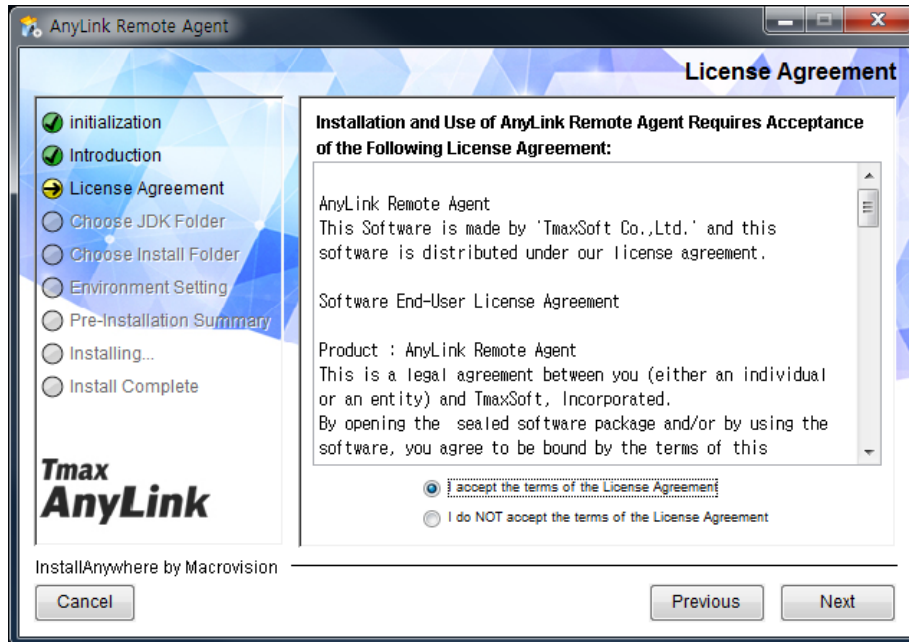
1. Go to the directory that contains the AnyLink remote agent installer (AnyLink_Remote_Agent.exe) and execute the file.
2. The AnyLink remote agent introduction screen will be displayed. Read the introduction and click **[Next]** to proceed to the next step. Clicking **[Cancel]** will stop the installation, and clicking **[Previous]** will go to a previous step.

[Figure 5.1] AnyLink Remote Agent Installer - Introduction



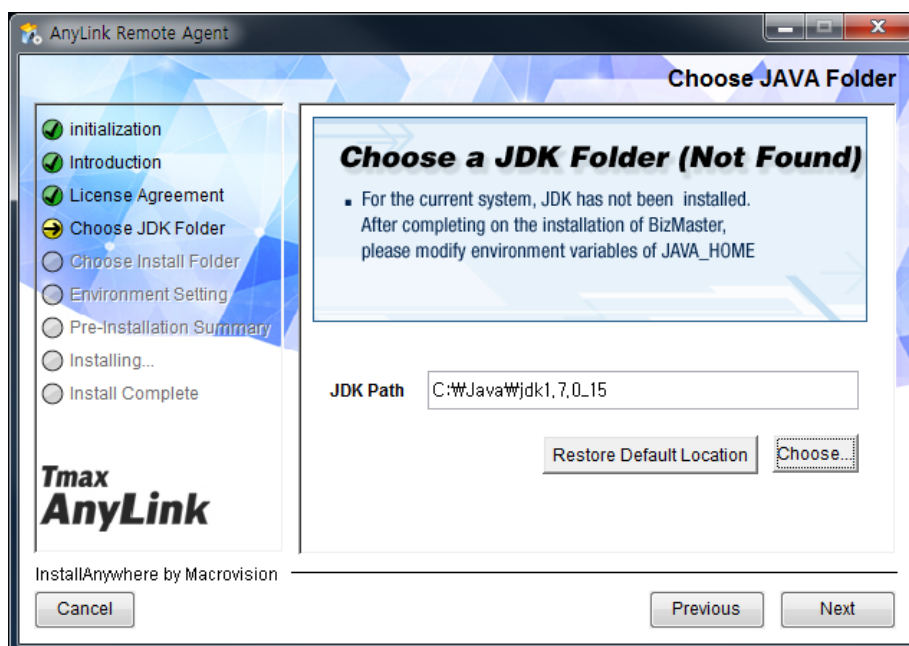
3. The TmaxSoft license agreement screen will be displayed. Read the description and then select "**I accept the terms of the License Agreement**" and click **[Next]** to accept the agreements. If not, then the installation cannot proceed.

[Figure 5.2] AnyLink Remote Agent Installer - License Agreement



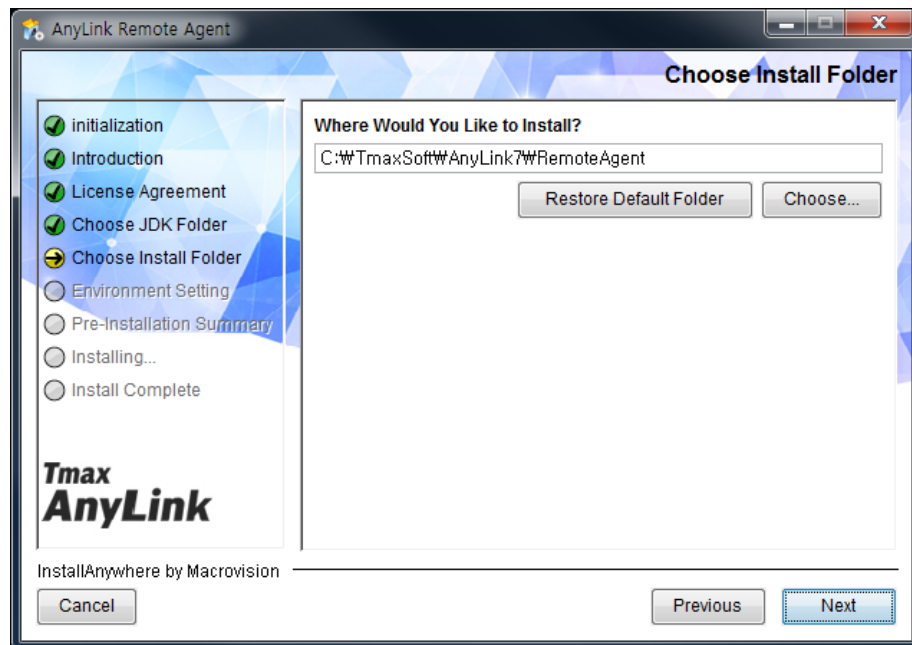
4. Select the directory in which JDK is installed and then click **[Next]**. If JDK was not installed in the default directory, then click **[Choose...]** to choose the location of the JDK directory. To restore JDK's default installation directory, click **[Restore Default Location]**.

[Figure 5.3] AnyLink Remote Agent Installer - Choose Java Folder (1)



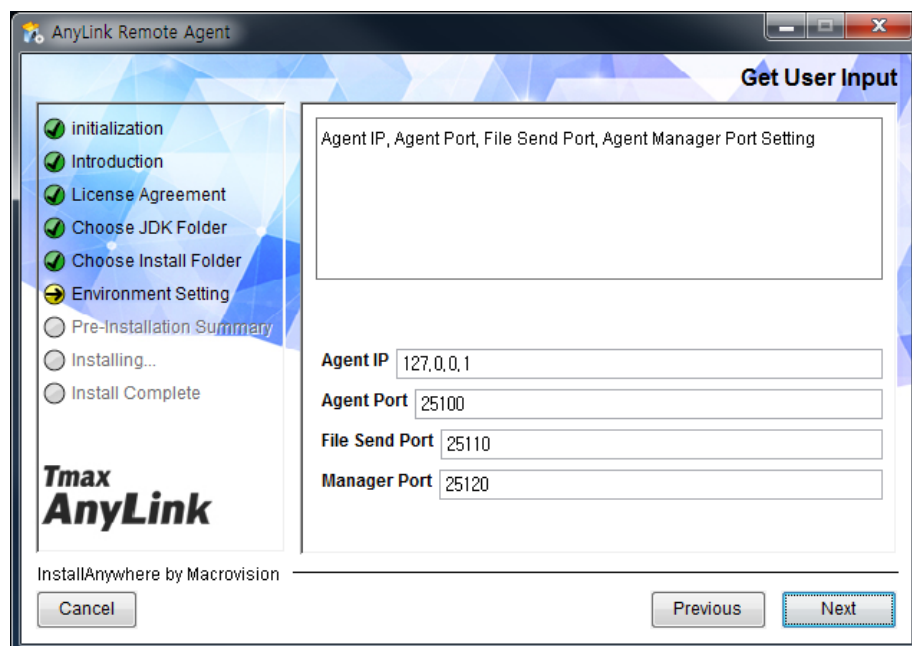
5. Specify the directory in which the AnyLink remote agent will be installed, and then click **[Next]**. In order not to use the default directory, click **[Choose...]** to choose another installation location. To restore the default installation directory, click **[Restore Default Location]**.

[Figure 5.4] AnyLink Remote Agent Installer - Choose JAVA Folder (2)



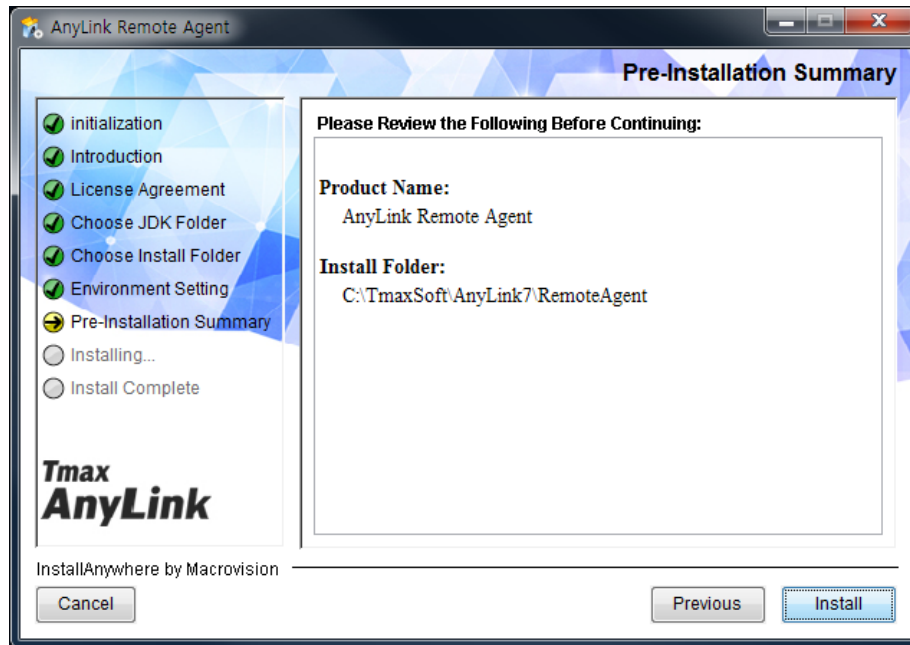
6. Set the port for communicating with the server.

[Figure 5.5] AnyLink Remote Agent Installer - Environment Settings



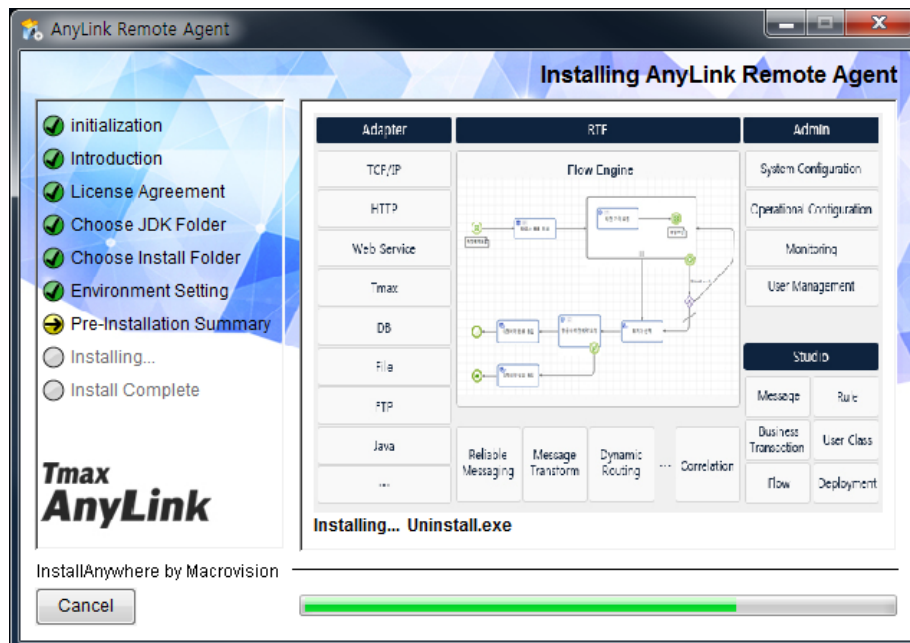
7. The pre-installation summary will be displayed. Check the settings such as the installation path, and then click **[Install]** to proceed with the remote agent installation. To change the settings, click **[Previous]** to go back to a desired screen and then change the settings.

[Figure 5.6] AnyLink Remote Agent Installer - Pre-Installation Summary (1)



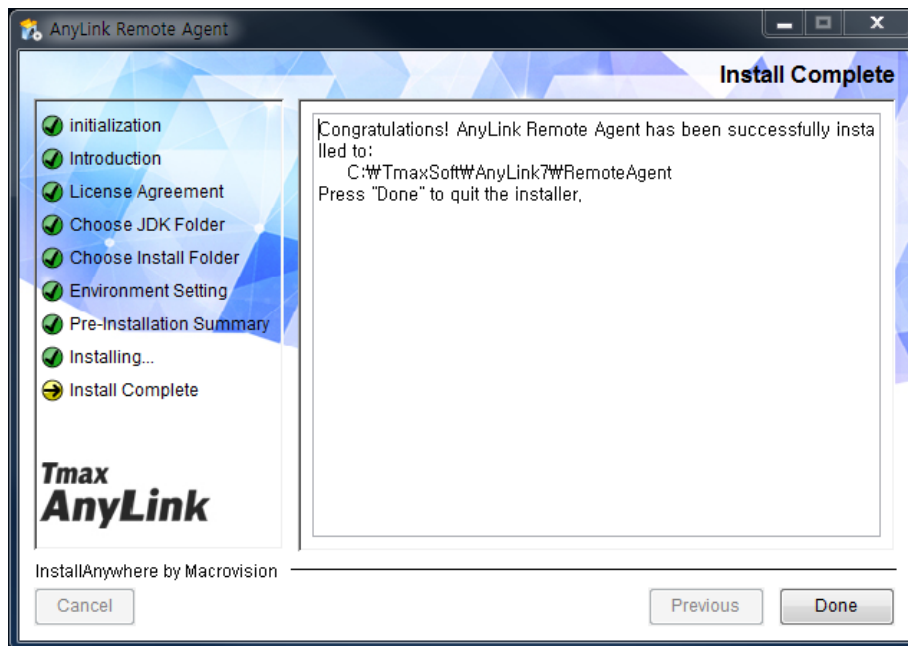
8. Proceed with the AnyLink remote agent installation. The progress bar displays the installation progress.

[Figure 5.7] AnyLink Remote Agent Installer - Pre-Installation Summary (2)



9. After the AnyLink remote agent has been installed, click **[Done]** to end the installation.

[Figure 5.8] AnyLink Remote Agent Installer - Installation Complete



5.2.2. Installation Verification

This section describes how to check that the product has been properly installed as well as how to start the server. For description about the directory structure, refer to ["Directory Structure"](#).

Startup Verification

If the remote agent has been successfully installed, then start the remote agent by selecting **[Start] > [All Programs] > [TmaxSoft] > [AnyLink7] > [RemoteAgent] > [Start]** in Windows.

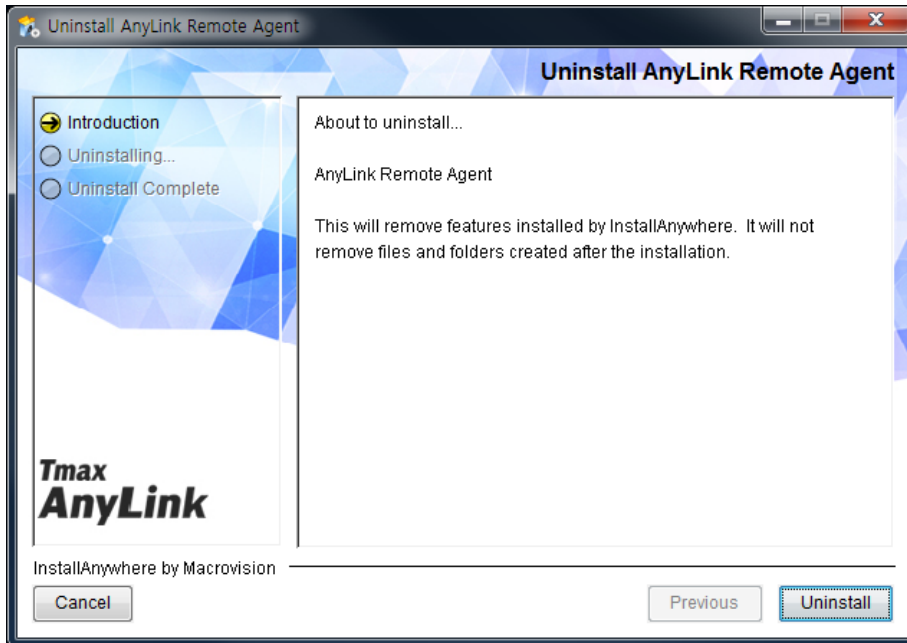
5.2.3. Uninstallation

The following is the process for uninstalling the AnyLink remote agent.

1. Select **[Start] > [All Programs] > [TmaxSoft] > [AnyLink7] > [RemoteAgent] > [Uninstall]**.

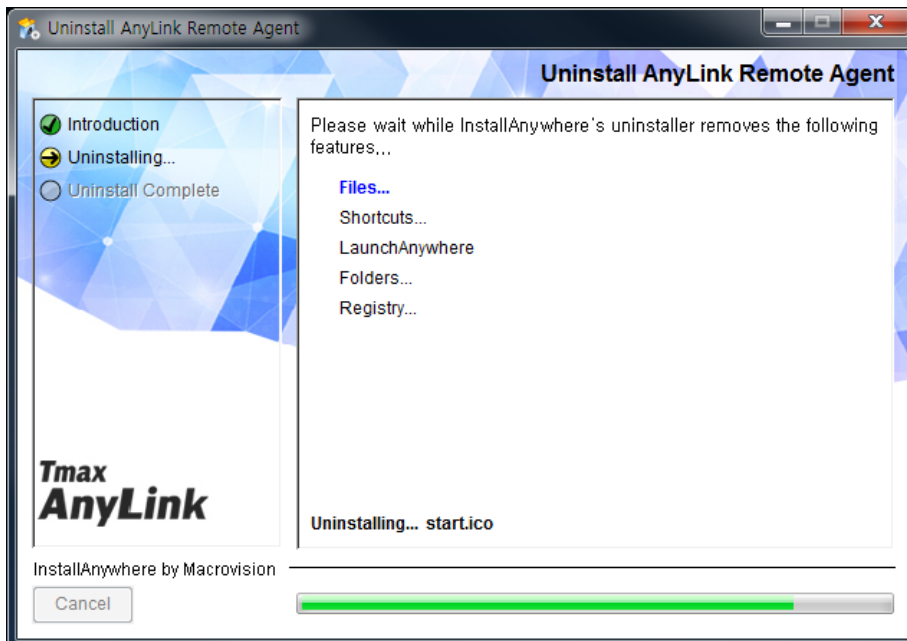
2. The uninstallation confirmation screen will be displayed. Read the warning message and click **[Uninstall]** to uninstall the remote agent.

[Figure 5.9] AnyLink Remote Agent Uninstallation



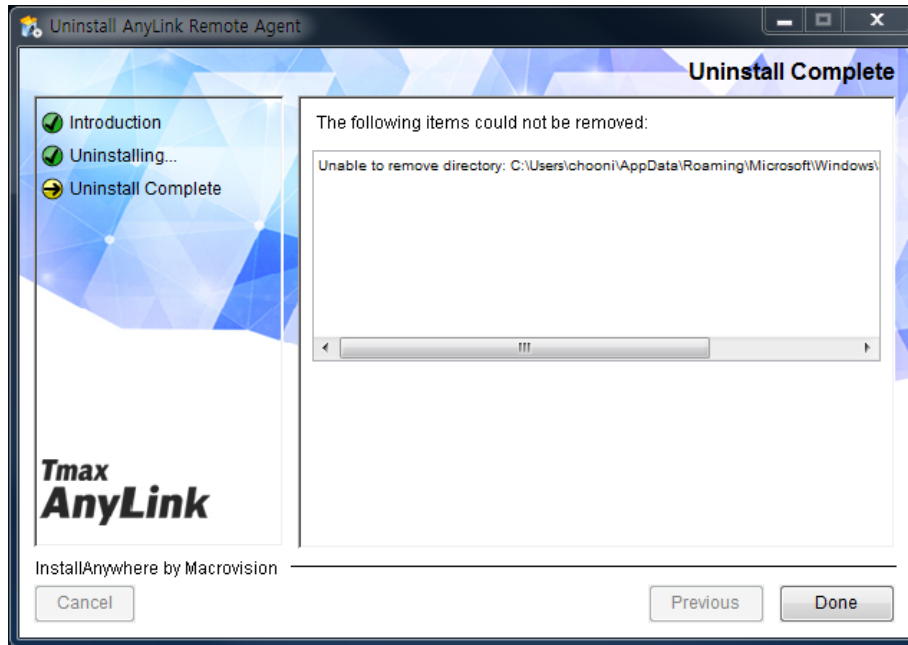
3. The remote agent uninstallation will start.

[Figure 5.10] AnyLink Remote Agent Uninstallation



4. When the AnyLink remote agent has been uninstalled, the uninstallation message will be displayed. Click **[Done]** to end the uninstallation.

[Figure 5.11] AnyLink Remote Agent Uninstall Complete



5.2.4. Uninstallation Verification

Check that the installation directory specified in the installer has been completely removed. If the user executes the uninstaller directly in the uninstaller directory, then the installation directory and the uninstaller directory can remain as empty directories. This is normal, so delete them manually.

Files and directories added after the installation are not automatically deleted. To delete those files and directories, the user must manually delete them.