



WISE

Web Information Services Environment

WISE INSTALLATION GUIDE

Version 1.2

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1. Welcome to WISE!

1.1. Introduction

The Web Information Services Environment (WISE) application is a user-friendly system, which has been designed for easy use by all skill levels in web page design and management. The ALLIED COMMAND TRANSFORMATION has developed the following documents to support the WISE product:

- **WISE Version 1.2 System Architecture Guide –**
 - *System hardware requirements and configuration discussion*
- **WISE Version 1.2 Installation Guide –**
 - *Complete instructions for installing or Upgrading WISE on a server*
- **WISE Version 1.2 Release Notes –**
 - *Details of the changes in this version of WISE*
- **WISE Version 1.2 & MCCIS 5.1 Administration Guide –**
 - *Outlining the WISE structure and administrative procedures*
- **WISE Version 1.2 & MCCIS 5.1 User Guide –**
 - *Full descriptions and examples of how to use WISE*

1.2. Document Scope

The WISE Version 1.2 Installation Guide provides in depth details and instructions to install WISE on an MS Windows PC-based server. WISE uses the standard windows installer methods and should load with a minimum of user intervention.

1.3. Software Requirements

WISE software CD

Microsoft Products as described below:

- Full functionality of the WISE application requires that Microsoft Office™ products be installed on the WISE server prior to the installation of the WISE application. This will ensure that metadata is available on all Microsoft documents that are uploaded.
- The *Site Search* feature of WISE, for example, enables a full-text content search over the whole site. In order for *Site Search* to examine MS-WORD documents, MS-WORD must be installed. The same is true for EXCEL, etc.

1.4. Previous Installations

If a previous version of WISE exists on the server, the upgrade to 1.2R1 will be performed automatically (see 3.1). As a precautionary measure, however, a backup of the site should be taken prior to performing the upgrade. This topic is explained further in section 4.

2. General Installation Information

WARNING! – During Installation the defaults can be changed if required. Notes of the changes should be taken as all system documentation refers to the default names and settings. See Annex A for WISE Installation Checklist.

2.1. Required Information

The following information should be available prior to starting the install:

- SMTP address and port number of the command's email server
- Location where WISE will be installed (default is C:\Program Files\WISE)
- Whether any development work will be performed on the server (If so, the Development Tools option during the install should be selected.)
- Account names. WISE configures three default accounts during installation; the account names can be changed or left to the default value. The accounts and default names are:
 - Wise Administrator - wiseadmin
 - Site Administrator – siteadmin
 - Emergency User – emergency
- Whether the WISE server will be run with a "Classic" for smaller, less complex sites, or "Enterprise" for larger, more complex sites. "How" the site is to be utilized will dictate which configuration is needed.

NOTE: For the current release of WISE, there was an urgent requirement to add an option which would optimise the efficiency of file uploading and downloading. Therefore two options of WISE are now presented at installation; Enterprise and Classic. The Classic version works in the same way as previous installations of WISE. The Enterprise version installs an extra web service "Apache" which handles requests from users and passes them to the web server. In case of the file upload or download the Apache server provides caching support to reduce the load on the WISE server. This means that even if the WISE server gets backlogged with many large file uploads; requests to view information on the site will not be affected as Apache will take care of these requests.

Thus, adding Apache via Enterprise configuration increases WISE responsiveness and performance, although it should be noted that administration of the system becomes more complex. See System Architecture guide for further details on Enterprise vs. Classic configuration. This topic is also explained further in section 3.5.

2.2. Passwords

Passwords must comply with the NATO security protocol: 8 or more characters which must include a number but not as the 1st character. Passwords are case sensitive.

3. New Installation of WISE

Insert the WISE installation CD. If the auto run is enabled on the PC, the WISE install window will appear. If auto run is not enabled, select the CD drive and run the application **wise_1.2R1.EXE**

3.1. Welcome

The Welcome to WISE window will appear.

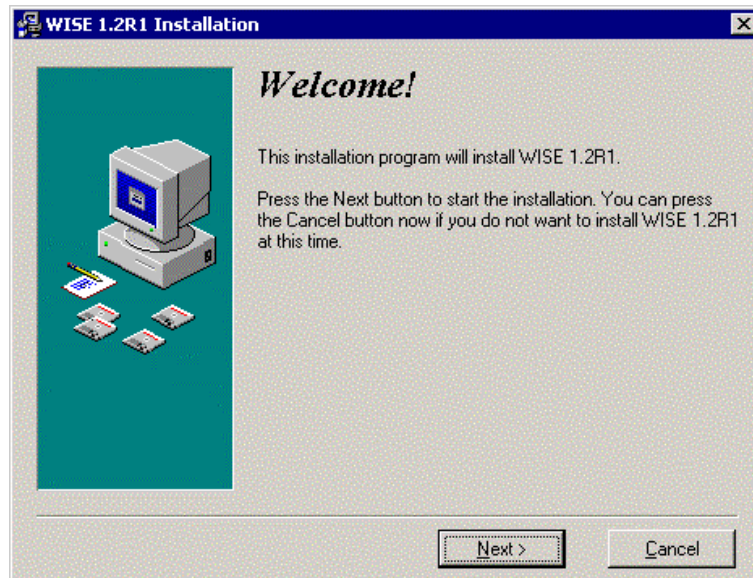


Figure 1- Welcome Screen

Select **NEXT** to continue.

3.2. Zope Public license

The Zope copyright information is displayed.

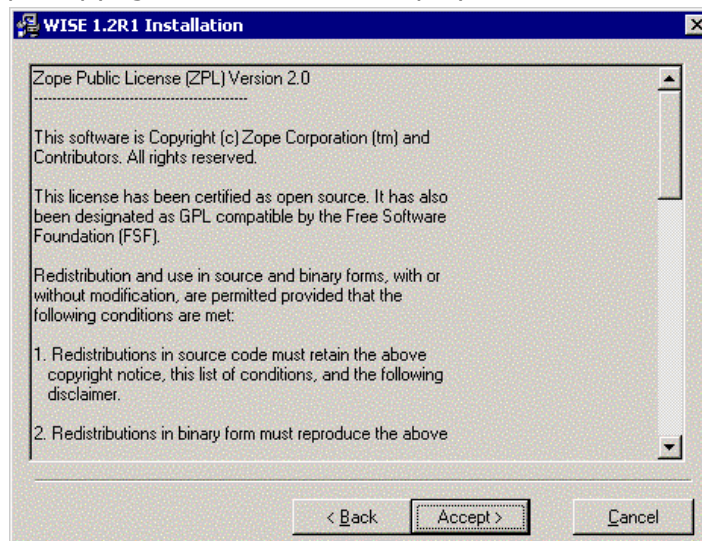


Figure 2 - Zope License

Select **Accept** to continue.

3.3. Destination Directory

The opportunity to change the destination for the WISE installation can now be set using the browse option. The default option will install WISE in the C:\Program Files directory.

NOTE: If a directory other than the default directory is chosen for installation, ensure that special characters are not used in the name, they should all be alpha/numeric characters.

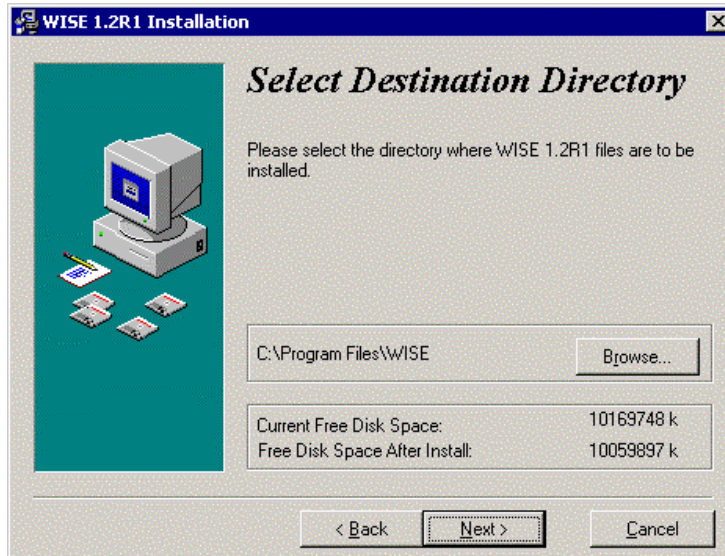


Figure 3- Destination Directory

Select **NEXT** to continue.

3.4. Development Tools

Development Tools contain documentation and development applications for creating new WISE objects. This option should only be selected if software development is planned on the WISE server. Checking the box, allows the user access to the following documentation: Developer Guide, Python Docs, Zope Docs and Tag Test.

NOTE: The documents associated with this option cannot be added after installation if Development tools are not installed at this stage. The only way to add these options after installation if the 'development tools' is not selected is to reinstall WISE.

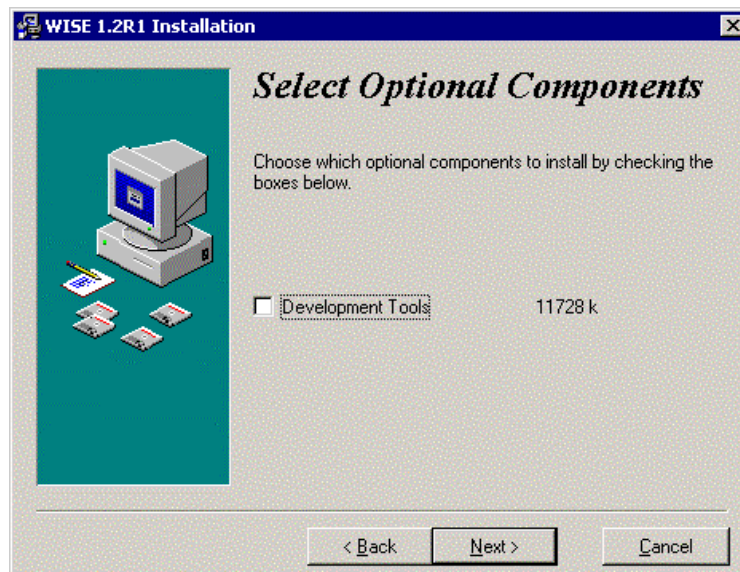


Figure 4- Optional Components

Select **NEXT** to continue.

3.5. Set Configuration.

There are two configuration options available:

The first is the "Classic" version which is a complete installation of WISE allowing the user to design, develop and manage their own web sites.

The second is the "Enterprise" option which adds an extra layer to the "Classic" version. A second HTTP server (in the form of Apache) is added to the installation to handle all the 'get' requests, which allows WISE to support other web service requests. Although this makes the installation more complex to manage, it does increase WISE responsiveness and performance.

Administrator knowledge of the site's utilization will dictate which configuration is installed.

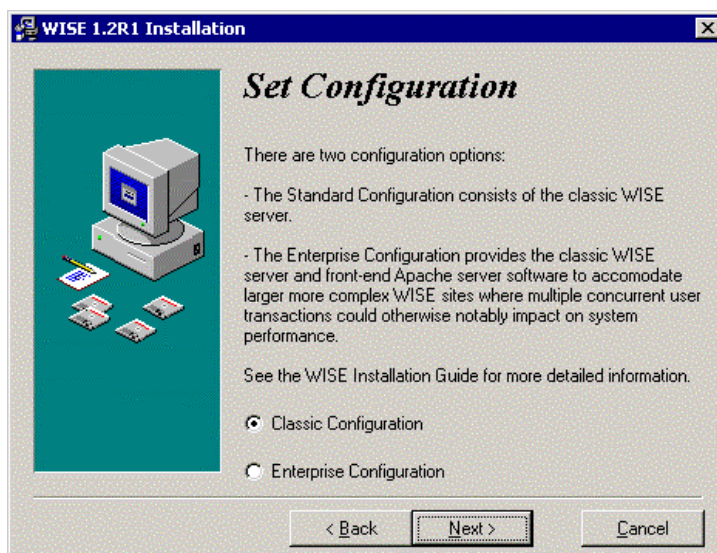


Figure 5 - Configuration Options

Make your selection and then select **NEXT** to continue.

3.6. Choose Port Settings

The selection made at 3.5 will determine which options become available for installation. If Classic version was chosen, you should continue installation from 3.6.1, if Enterprise version was selected, installation will continue from 3.6.2.

3.6.1. Set Web Server Port

The default port 80 should be used unless you already have an application running on port 80. Port 8080 is available as an alternate solution.



Figure 6 – Set Web server Port

Select **NEXT** to continue and continue installation from 3.7.

3.6.2. Set proxy Port

If the Enterprise configuration was chosen at 3.5 then the option to set the Proxy port will be presented as at Figure 7. Choose port 80 unless another application already uses this port number.



Figure 7 – Set Proxy Port

3.6.3. Set WISE Port

Choose the appropriate port for WISE, the default port is 8085, select this option unless you are already have an application running on 8085, in which case the alternate port 8090 is chosen.

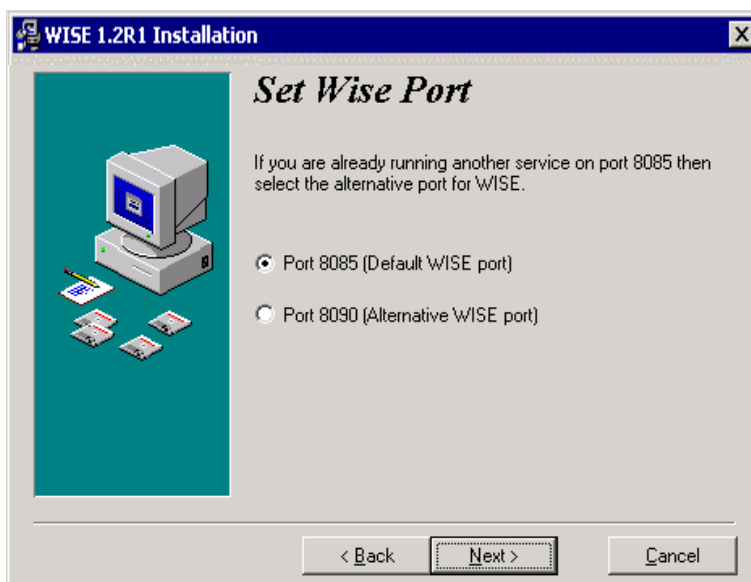


Figure 8 – Set WISE port

Select **NEXT** to continue.

3.7. Emergency User

The primary use of the *Emergency User* Account is to reset passwords should they become lost or forgotten. Therefore the account name and Password should be stored in a safe place and only used by experienced personnel. The default name on this account is 'emergency' this may be changed as site policy dictates. The password should be entered in accordance with 2.2.

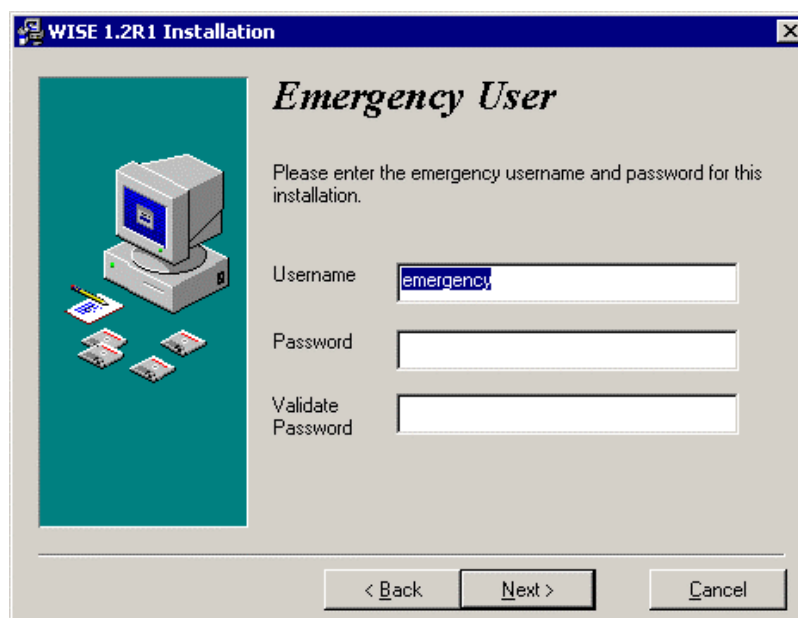


Figure 9 – Emergency User

Select **NEXT** to continue

3.8. *Wise Administrator*

The *WISE Administrator* account is the default administrative account. This account is reserved for site management purposes only, such as creation of sites, packing the data.fs and setting default sites. The default site name is 'wiseadmin' and this may be changed to reflect site policies. Ensure that a password in accordance with 2.2 is entered at this screen. As the account can delete entire sites it should be kept in a safe place and used only by experienced personnel.



Figure 10 – Add WISE Administrator

Select **NEXT** to continue.

3.9. *Initial Site*

During the installation of WISE, a default site is created. The suggested title and site location for this new site is WISE; you may change these defaults to reflect site specification. If the default site address is retained, the URL will include WISE and WISE will be specified in the title.

If the 'Allow Self Registration' option is checked, users will be able to register themselves on your site. If this box remains unchecked, the site administrator will have to register all new users. By default, siteadmin and guest are the only two accounts created at installation.

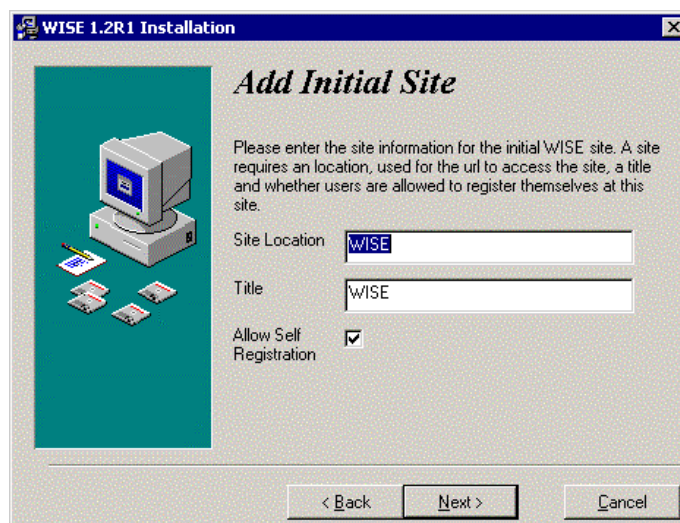


Figure 11 – Add Initial Site

Select **NEXT** to continue.

3.10. Site Administrator

A *Site Administrator* account is created for each site created on a WISE server. Each site will have its own administrator account that will control that site.

The default username is siteadmin; this can be changed if required. Enter a password for this account in accordance with para 2.2. As this account can control the contents and user permissions for the site, the username and password should be kept in a safe place and only given to experienced personnel.

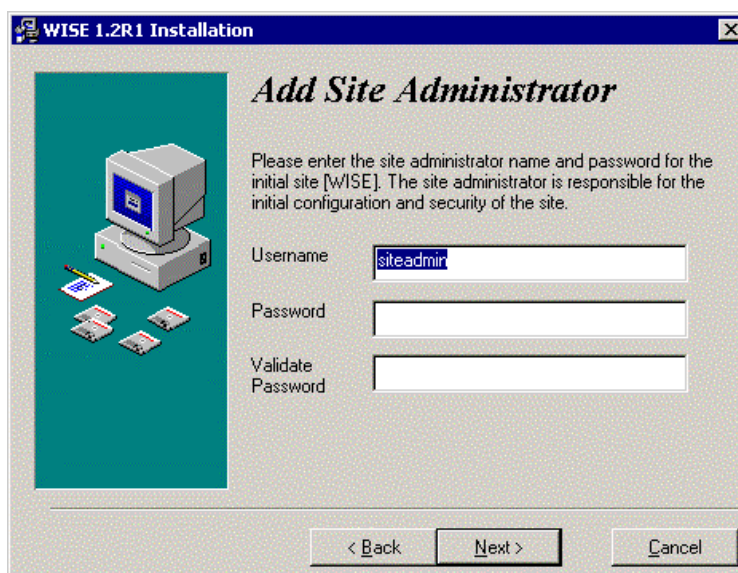


Figure 12 – Add Site Administrator

Select **NEXT** to continue.

3.11. SMTP Server

The Simple Mail Transfer Protocol (SMTP) window requests the name or IP address of the E-mail server for your site. The WISE server will use this SMTP server whenever it is required to send a message via email to a registered user. WISE Objects that support E-mail include the Workflow tool and Form Generator.

The default port number is 25; this is the standard port number for SMTP. If your site uses a different port number, enter it here.

Your network administrator should supply the SMTP server and port number. This option may be changed at a later time from the properties page for the site.

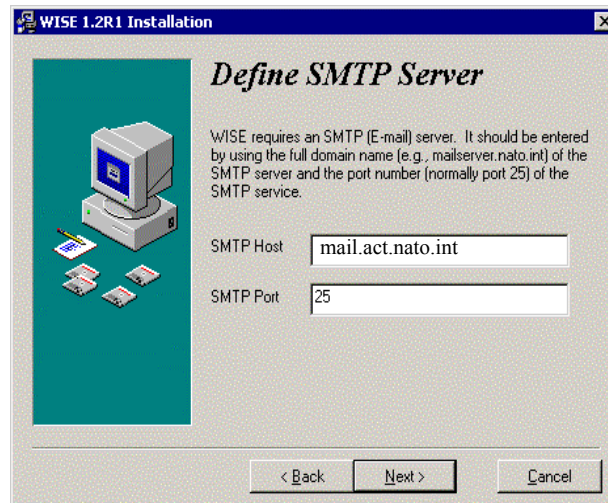


Figure 13 – SMTP Server

Select **NEXT** to continue.

3.12. Ready to Install

The installer is now ready to install WISE, use the **BACK** button, as required, to change any installation information.

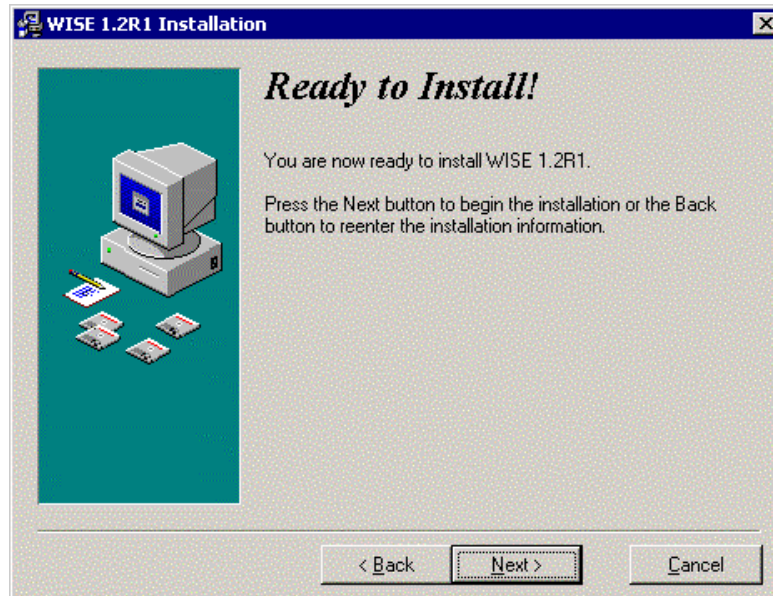


Figure 14 – Ready to Install

Select **NEXT** to continue.

3.13. Install Process

During installation, the status bar will show the installation progress. This may appear to freeze at times which is normal.

NOTE: Additional windows may pop up as objects are loaded or compiled. This is normal. Do not close these windows they will close automatically.

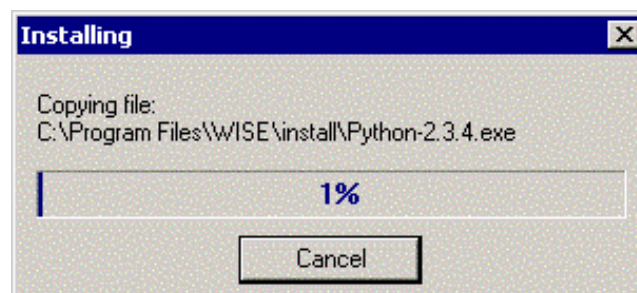


Figure 15 – Installation

3.14. Install Complete

At the completion of the installation process this "Installation Complete" window will appear. You can access the URL of the WISE server by using: <http://<servername>/>.

NOTE: Note the settings on this page before clicking on Finish as this dictates how to access your new web site.

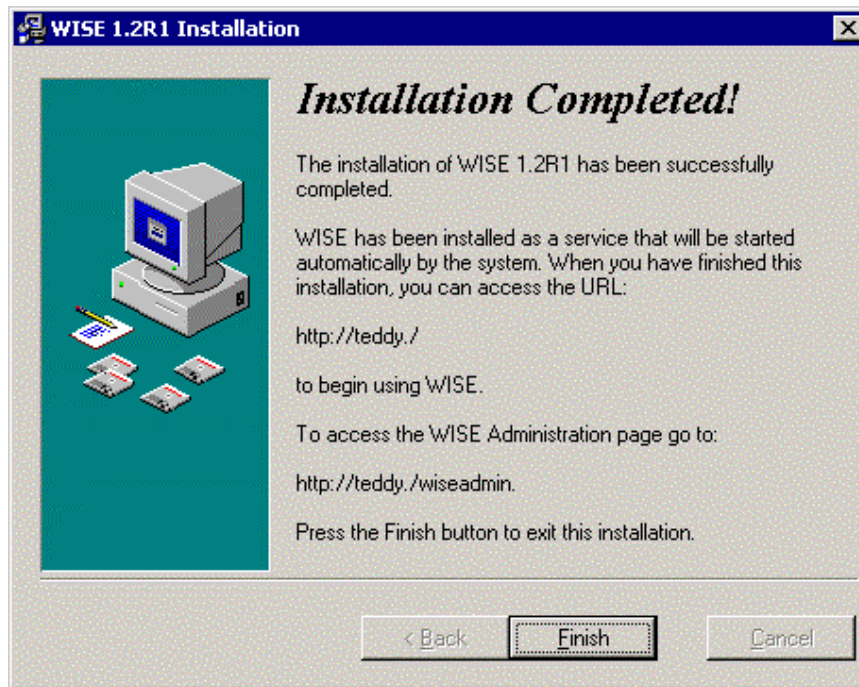


Figure 16 – Installation Complete

Select **Finish** to close the installer.

3.15. Installed WISE Server

Once the installation process is complete, the default WISE can be opened. Open your browser and type the URL `http://<servername>/<sitename>`. The default installed site will be shown below.

NOTE: The default classification on the website is NATO SECRET. This can be edited from the metadata window by clicking the icon "i" on the application bar.

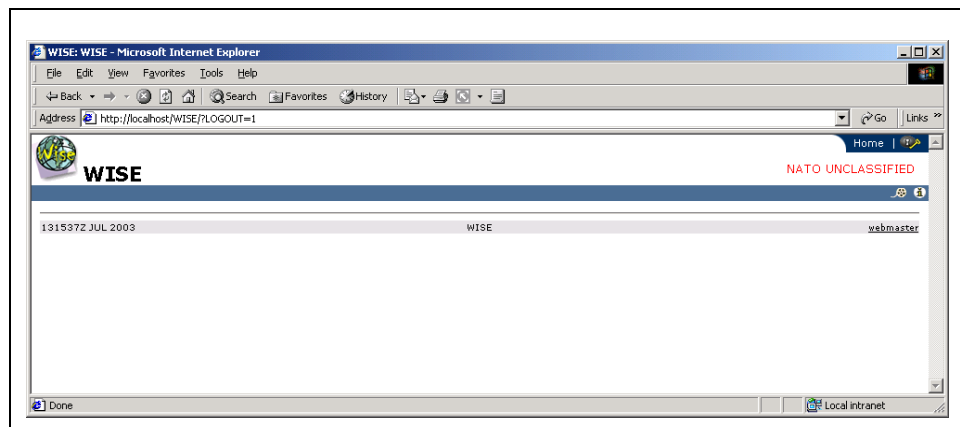


Figure 17 – WISE Default Web site

4. WISE Upgrade

The upgrade process is automatic; the upgrade will maintain all the present sites and accounts. It is very similar to the new installation process, but the windows that request accounts and default settings will not be seen as the system takes the present settings.

On the PC insert the WISE software CD, if the auto run is enabled on the PC the WISE install window will appear. If auto run is not enabled, select the CD drive and run the application **wise_1.2R1.EXE**

4.1. Welcome

The Welcome to WISE window will appear.

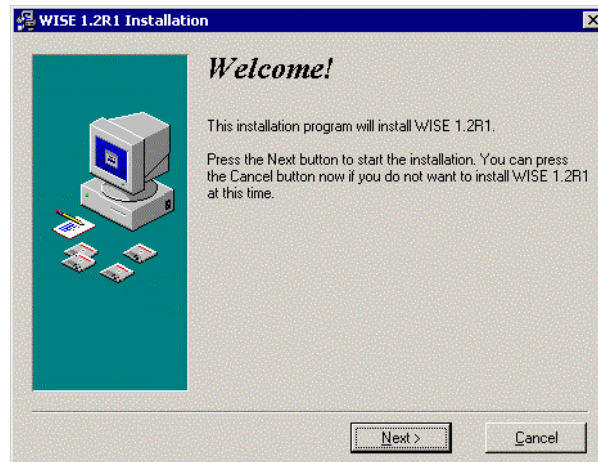


Figure 18 – Welcome Screen

Select **NEXT** to continue.

4.2. Zope Public license

The Zope copyright information is displayed.

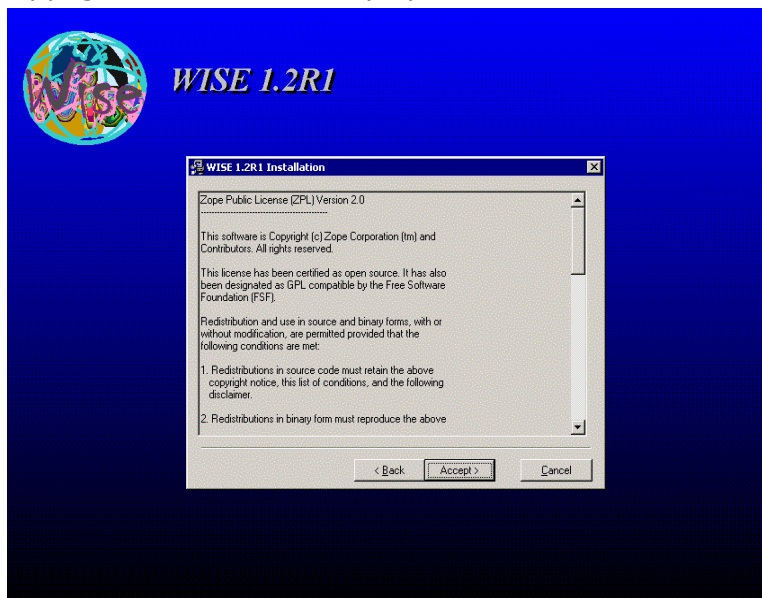


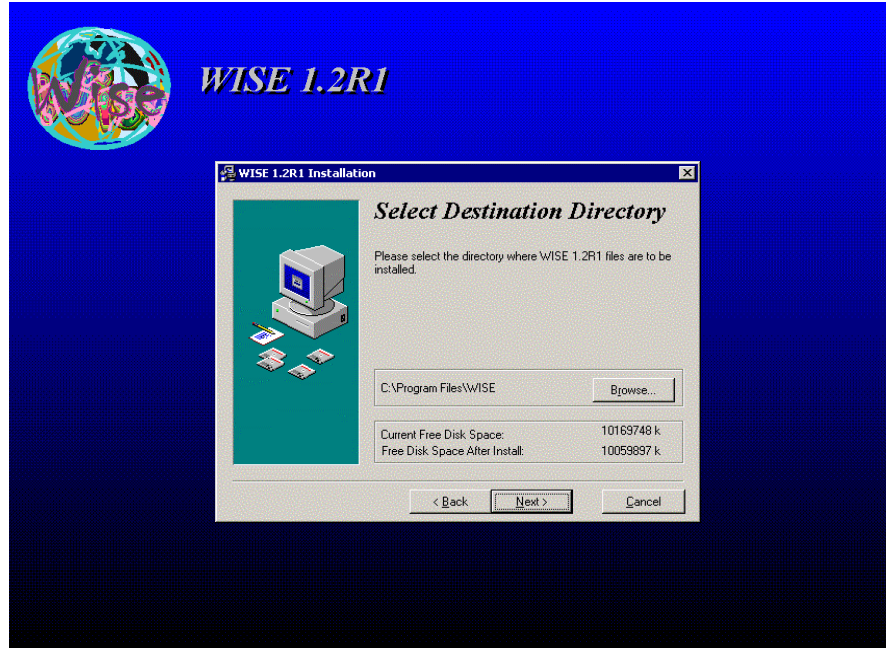
Figure 19 – ZOPE License

Select **Accept** to continue.

4.3. Destination Directory

The default option will install WISE in the C:\Program Files directory. Change this if the originally installed site is located in a different folder.

NOTE: If you intend to upgrade your server please ensure that you install the program to the previously installed folder.

**Figure 20 – Installation Directory**

Select **NEXT** to continue.

4.4. Optional Components

Development Tools contain documentation and development applications for creating new WISE objects. This option should not be selected unless software development is planned on the WISE server. Checking the box, allows the user access to the following documentation: Developer Guide, Python Docs, Zope Docs and Tag Test.

NOTE: The documents associated with this option cannot be added after installation if Development tools are not installed at this stage. The only way to add these objects after installation if the 'development tools' are not selected is to reinstall WISE.

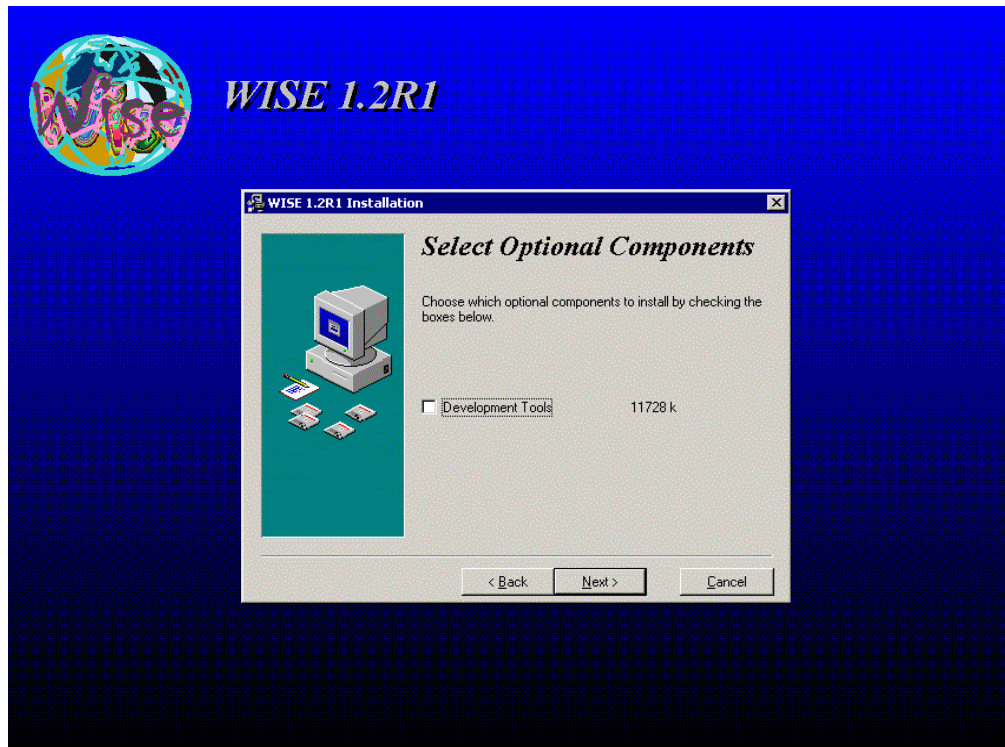


Figure 21 –Optional Components

Select **NEXT** to continue.

4.5. Set Enterprise Configuration.

As with your initial installation of WISE, you have two configuration options available. The first is the "Classic" version which is a complete installation of WISE allowing the user to design, develop and manage their own web sites.

The second is the "Enterprise" option which adds an extra layer to the "Classic" version. A second HTTP server (in the form of Apache) is added to the installation to handle all the 'get' requests allowing WISE (Zope) to only handle the uploading of files. Although this makes the installation more complex to manage it does increase WISE responsiveness and performance.

Administrator knowledge of the sites utilization will dictate which configuration is installed.

NOTE: It is possible to upgrade from classic version to Enterprise but not from Enterprise to classic as Apache will remain installed and the installation cannot be guaranteed.



Figure 22 – Set Configuration

Select **NEXT** to continue

4.6. Port Settings

Depending on the upgrade path that you decided to take the web server port will either be set for WISE or Apache. If you choose Classic version continue from 4.6.3, if you choose Enterprise continue from 4.6.1.

4.6.1. Set Proxy (Apache) Port

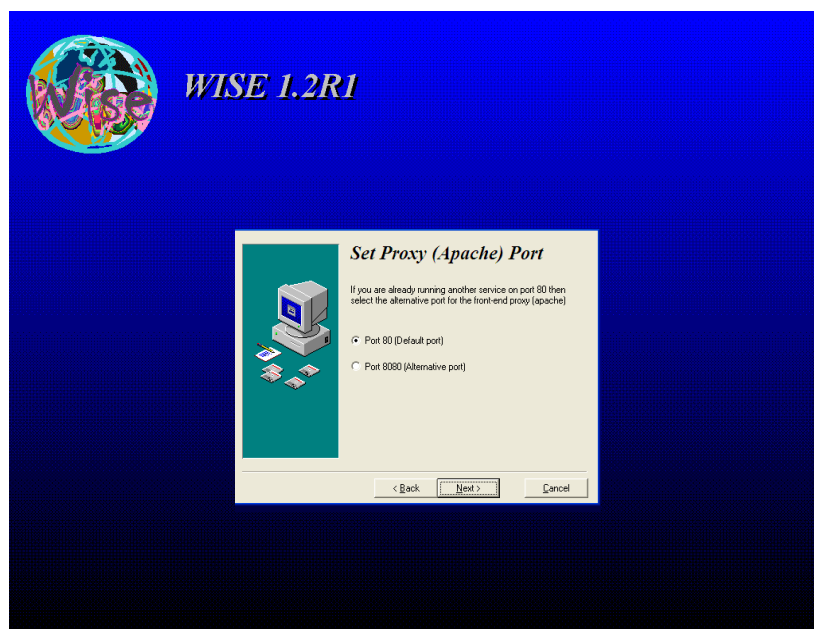


Figure 23 - Set Proxy

If the Enterprise configuration was chosen 4.6 then the option to set the Proxy port will refer to Apache. Choose port 80 unless another application already used this configuration.

4.6.2. Set WISE Port

The default port for WISE is 8085, if this port is being used by the another application then an alternate port of 8095 is available.



Figure 24 – Set WISE Port

Select **NEXT** to continue. Installation continues at 4.7.

4.6.3. Set Web Server Port

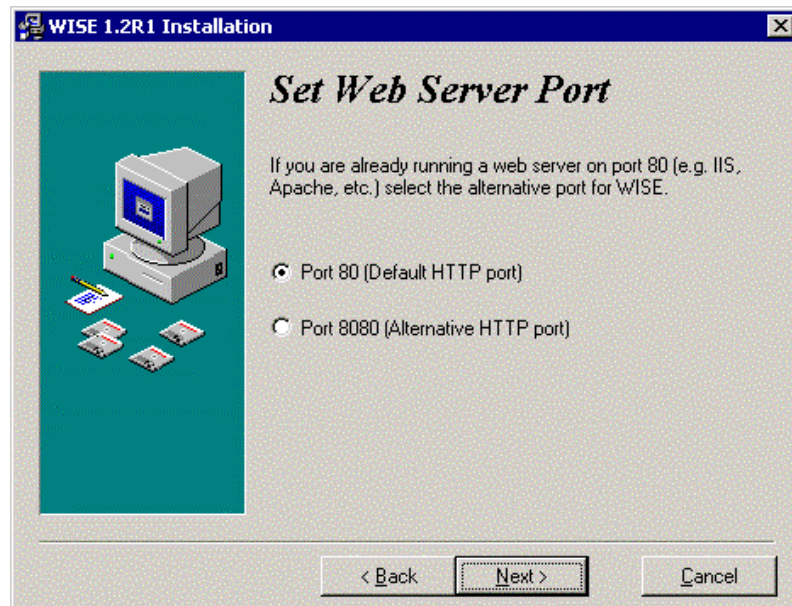


Figure 25 – Set Web Server port

If the Classic Configuration was selected at 4.6, Figure 25 will be displayed. The default port 80 should be used unless you already have an application running on port 80. Port 8080 is available as an alternative port.

Select **NEXT** to continue.

4.7. Ready to Upgrade

The installer is now ready to upgrade WISE. Use the **BACK** button, as required, to change any installation information.

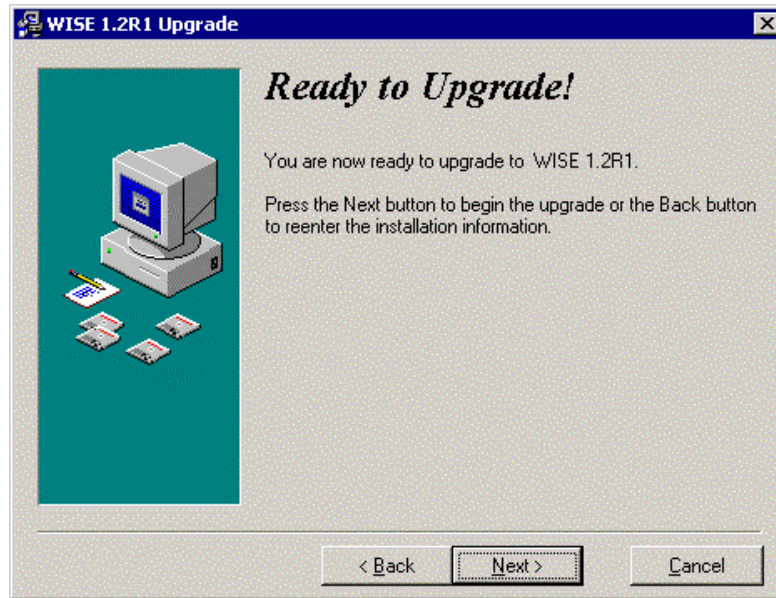


Figure 26 – Upgrade Screen

Select **NEXT** to start the Upgrade.

4.8. Upgrade Process

During the install, the status bar will show the installation progress. This may appear to freeze at times which is normal. Additional windows may pop up as objects are loaded or compiled and the web site(s) are updated. This is normal. Do not close these windows as they will close automatically.

NOTE: If the enterprise configuration is reinstalled at a later date, Apache is already running as a service, therefore an error message will be displayed during installation. This window needs to be actioned in order to continue the installation.

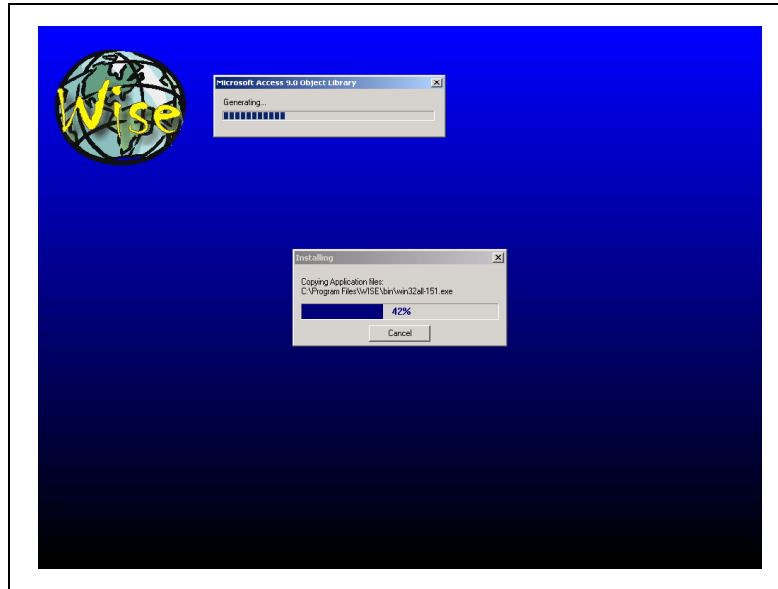


Figure 27 - Upgrade Progress

4.9. Upgrade Complete

Once the installation process is complete, the default WISE can be opened. Open your browser and type the URL <http://<servername>/<sitename>>. The default installed WISE site will be shown as shown below.

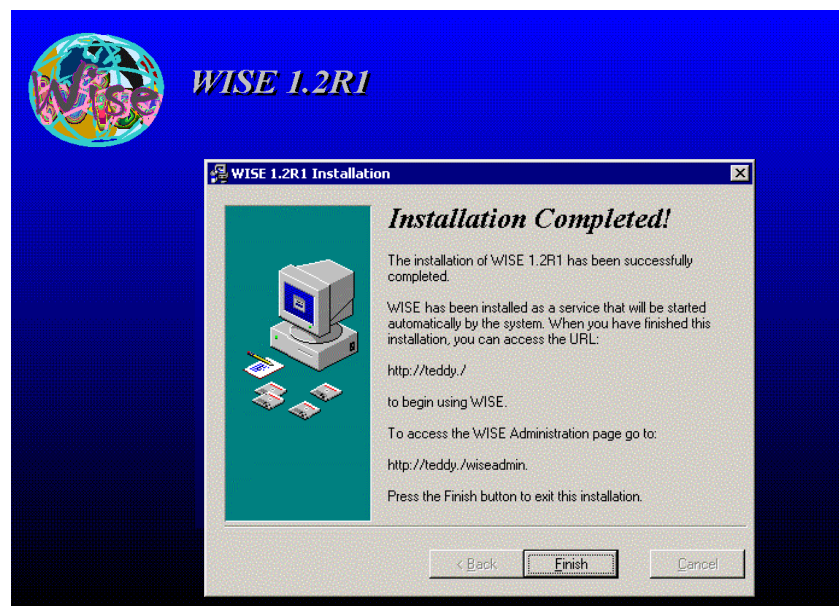


Figure 28 – Upgrade Complete

NOTE: Before selecting the **Finish** option to close the installer ensure that you take note of the upgraded web site location.

Once the upgrade is complete, all contents of the web site(s) remain intact and passwords remain intact from the original installation.

Annex A

WISE Installation Checklist			
Location of Website			
Mail Server			
Configuration		Classic	Enterprise
Development tools		Yes	No
Account Names:		Passwords:	
Emergency User		Emergency User	
Site Administrator		Site Administrator	
Wise Administrator		Wise Administrator	