

Aculab Installation Tool

FTP download utility guide

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Glossary

Term	Definition
GUI	Graphical User Interface
AIT	Aculab Installation Tool
Component	Single element from a distribution
Package	User defined set of Components (derived from a Distribution)
Distribution	Complete list of available components
PTF	Package Template File: Text file that describes the components required to recreate a package
APF	AIT Package File: As a PTF but also contains the Component files so no downloading required.
DPF	Delta Package File: File that contains the difference between packages.
Rollback	To return a Component to a previously released version
AIT_CMD	AIT's command line tool
AIT_GUI	AIT's GUI tool
Capped	A Component that has it's version <i>capped</i> means that a the version won't change without the user explicitly changing it.

1 Installing the Aculab install tool (AIT)

The Aculab installer tool has the following primary functions:

Downloading of Aculab software files from the Aculab company web site
Installing Aculab telephony software onto an operating system

- From the [support](http://support.aculab.com) area of the company web site at www.aculab.com
- From the `C:\Program Files\aculab\v6\docs` directory of a downloaded package

1.1 Installing the AIT application for Windows

To install the Aculab installer tool (AIT) for Windows, download then run the `AculabInstaller.msi` file. Running `AculabInstaller.msi` will start the Aculab Installer Setup Wizard dialogue window.

Select **Next** to accept the copyright warning and proceed to the Select Installation Folder dialogue window.

You now have the option to change the install directory and set single or general user permissions. Make any required changes followed by Next to proceed to the Confirm Installation dialogue window.

Select **Next** to confirm to proceed with the installation, you will now be presented with an Installing AculabInstaller dialogue window showing the progress of the installation, followed by an Installation Complete dialogue window.

Select **Close** to complete the process.

1.2 Installing the AIT application for Linux/Solaris

To install the Aculab installer tool (AIT) for Linux or Solaris:

Create a directory for the AIT to be run from, for example, `/usr/local/aculab`
Download then extract the contents of the `AIT_*.*.tgz` to the directory you have just created.
The directory will now contain a number of files, including the two AIT options:

- `AIT_GUI` - if you are running an X Windows environment (see section 2)
- `AIT_CMD` - if you are running a command line environment (see section 4)

2 AIT application Overview

2.1 Log In and Connection Details

Select **Start – Programs – Aculab - Aculab Installer Tool**, or run `AIT_GUI.exe` from its current location, to start the AIT application. The first thing to do is to configure the user log in details. From the Connection menu select Connection Details. This will present the Connection Details window (Fig. 1).



The dialog box titled "AIT - Connection Details" contains the following fields and options:

- Server IP Address: `installer.aculab.com`
- Username: `newuser2`
- Password: `*****`
- Use Proxy Server
- Proxy Server Address: (empty)
- Proxy Server Port: (empty)
- Proxy Requires Authorisation
- Proxy Username: (empty)
- Proxy Password: (empty)
- Proxy Domain: (empty)

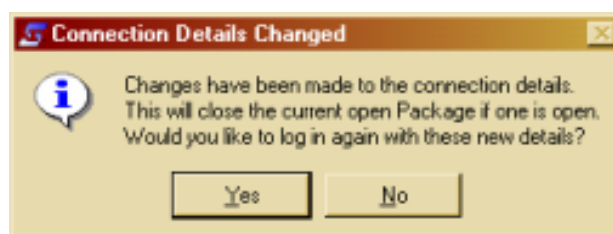
Buttons: OK, Cancel

Fig. 1

Enter your specific Log in and connection details in this window. The Server IP Address should be set to `installer.aculab.com`. The Username and Password are available by request from Aculab Support (`support@aculab.com`). Alternatively get the generic login from http://www.aculab.com/support/ait_telephony_software.asp. Follow the Operating specific links.

If your Internet access is via a Proxy Server then you will need to fill out these details. If the Proxy Server needs authentication fill in the Authentication fields.

Once the Window has the correct details click OK. A message will be displayed, if these details have changes, asking if the AIT should log on to the server with the new details (Fig.2).



The dialog box titled "Connection Details Changed" contains the following text and buttons:

Changes have been made to the connection details.
This will close the current open Package if one is open.
Would you like to log in again with these new details?

Buttons: Yes, No

Fig. 2

Select the appropriate response. The Online/Offline state is represented in the bottom right corner by a pulsing icon (Fig. 3).



Fig. 3

2.2 Creating a New Package

From the File menu select New Package... (Ctrl + N). This will, in turn, display the Create New Package Window (Fig. 4).

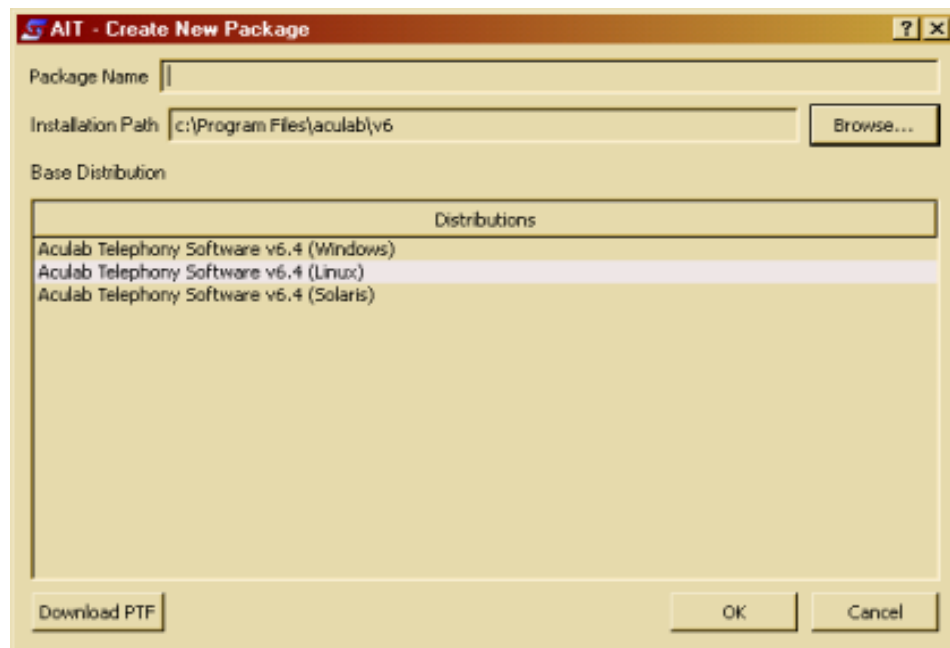


Fig. 4

Package Name: User specified package name

Installation Path: Location for file to be installed to, Browse... invokes a path browser window allowing users to select installation location quickly.

Base Distribution: Distribution that the package is derived from.

Download PTF: See Package Template File section.

OK: Accept selection and create package.

Cancel: Cancel operation.

After clicking OK, the new Package will be opened and displayed.

2.3 Opening a Package

From the File menu select Open Package... (Ctrl + O). This will, in turn, display the New Package Window (Fig. 5).

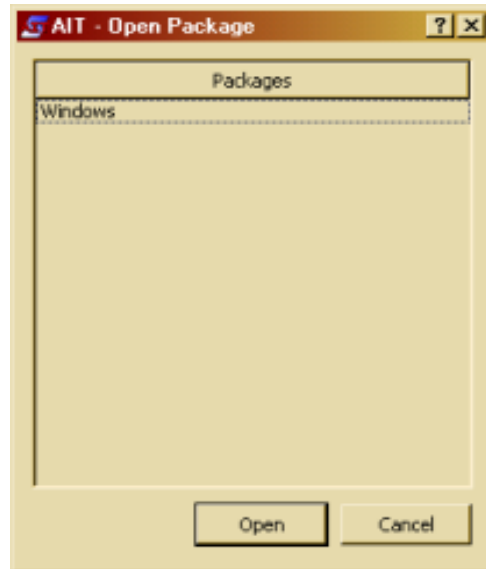


Fig.5

Packages is a list of Packages created on the local system. The currently installed package is depicted in bold to show that it is installed. Select the package that is to be opened and select Open. Cancel will close this window and return back to the previous state.

Once a package has been selected and if there are newer components available on the server, the New Component window (Fig.6) will be displayed.

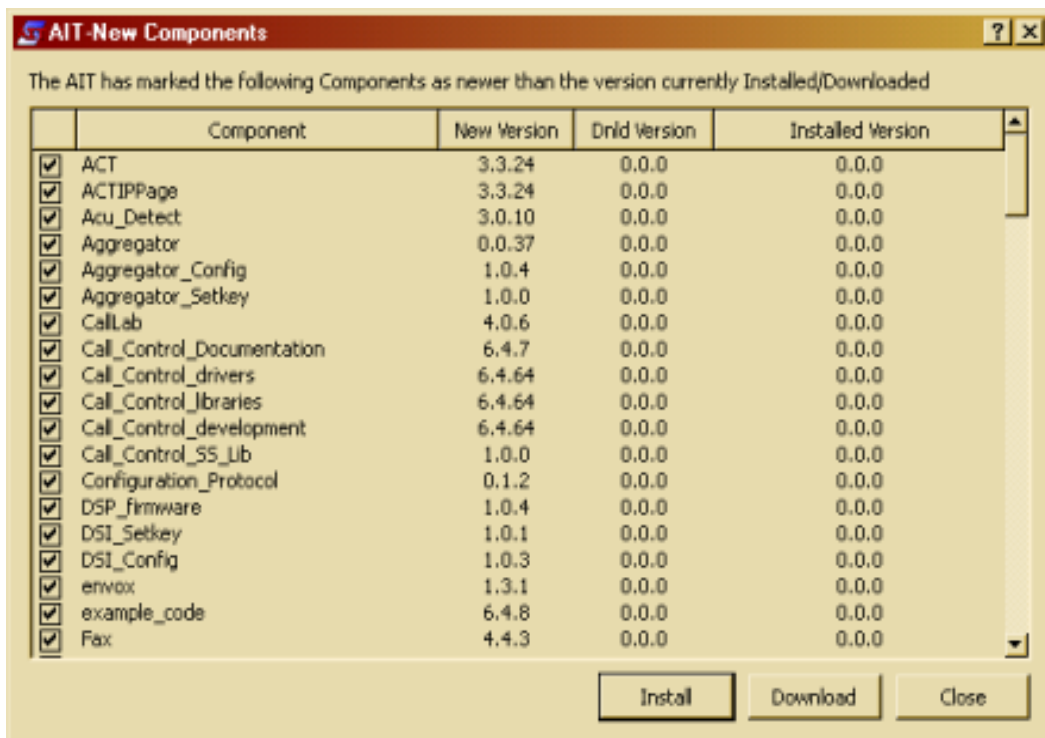


Fig.6

In this display a list of new components is displayed with information on what version is downloaded and what is installed. From here selecting Install or Download will perform that given action on all the selected components. While close will close the window and carry on opening the Package as normal.

2.4 Closing a Package

From the File menu select Close Package (Ctrl +W). Packages must be closed before deleting them.

2.5 Deleting a Package

From the File menu select Open Package... (Ctrl + O). This will, in turn, display the Delete Package Window (Fig. 7).

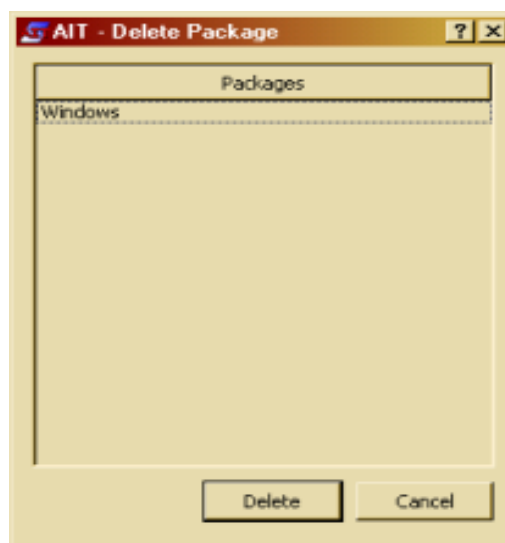


Fig.7

As with the Open Package window Installed packages are denoted by bold text. Installed packages cannot be deleted until they have been uninstalled. Delete will delete the files AIT files associated with the Package. Component files will however remain in the cache. Cancel return to pervious state with no actions taken.

3 Component Tree

3.1 Component Tree Display

Once a Package is opened its components are displayed in the Component Tree (Fig. 8).

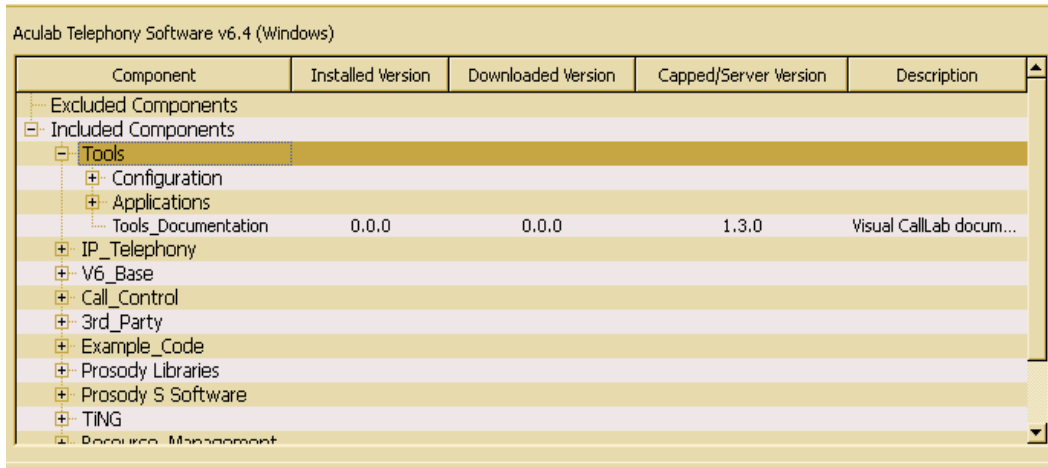


Fig.8

This view displays all Components in the Distribution and information about their state. An installed Component will be marked by a Green icon, and downloaded Components have an Orange icon.

3.2 Component Tree Actions

From this view a right mouse click will display the Action Menu (Fig.9). Alternatively the Action Menu also appears on the main Menu bar (Fig.10).

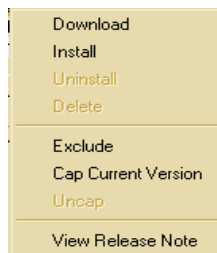


Fig.9



Fig.10

A number of actions can be performed on the tree. However, depending where on the tree the Action menu was invoked from will govern the options available. The tree structure is divided into two main headers in the default view. These are Included and Excluded Components. Below these headers there are groups of components, for example Tools is no a Component it is a Component Group which includes the ACT, Call Lab and Tool Documentation. If an action is preformed on a Group or Header then the Action is applied to all Components beneath it.

Actions available are:

Exclude /Include: Depending on a users needs some Components may never be required. If this is the case they can be excluded from the package. This means they will reside in the Excluded section of the tree and will be ignored until they are included back from the Excluded Tree. Excluded New Component will be displayed in the New Component window mentioned in section 2.3.

Download: will instigate a download of the select Components to the AIT cache directory.

Install: will install the selected components to the installation directory.

Uninstall: Available when a Component is installed. It performs the Uninstall of all selected components.

Delete: Available on uninstalled components. It removed the downloaded file from the cache.

Cap Current Version: Caps the version of selected Component to the current version on the server. This will stop automatically updating the Component.

Uncap: Removes any Caps to the version of Components.

View Release Notes: If not set to automatically retrieve release notes, the release notes will be downloaded and displayed in the Release Note window (Fig.11)

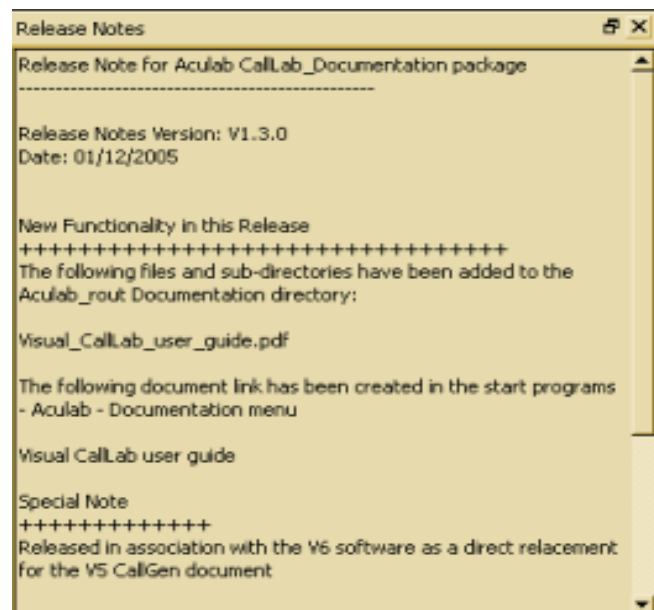


Fig.11

3.3 Component Tree View

The View (Fig.12) menu provides alternative views for the Component Tree.

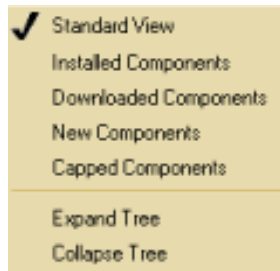


Fig.12

- **Standard View** – All Components displayed in the Included and Excluded trees.
- **Installed Components** – displays only the Components with an installed version.
- **Downloaded Components** – displays only the Components with a downloaded version.
- **New Components** – displays only the new Components on the server.
- **Capped Components** – displays the Components that are capped.
- **Expand/Collapse Tree** – expands or collapses all branches on the tree.

The current view is always denoted by the Tick icon.

3.4 Other Component Windows

3.4.1 Dependencies Window

When installing, uninstalling or downloading Components, the AIT will declare the other Components that the selected Components depend on. These are displayed in the Dependencies window (Fig.13)

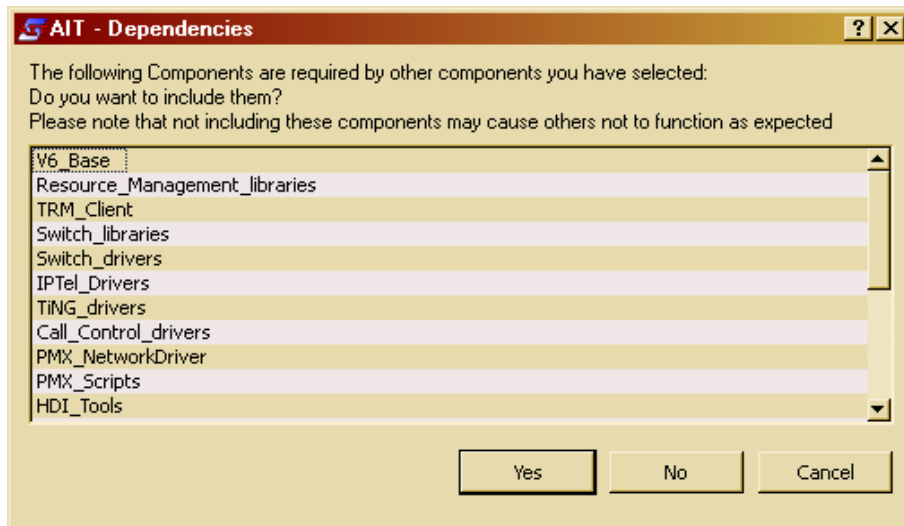


Fig.13

Selecting Yes, will apply the Action to all listed Components.
 Selecting No, will Just set the action for the originally selected Component(s).
 Selecting Cancel, will cancel any Action in progress.

3.4.2 Component Information Window

The Component Information Window (Fig.14) displays some useful information about Components.

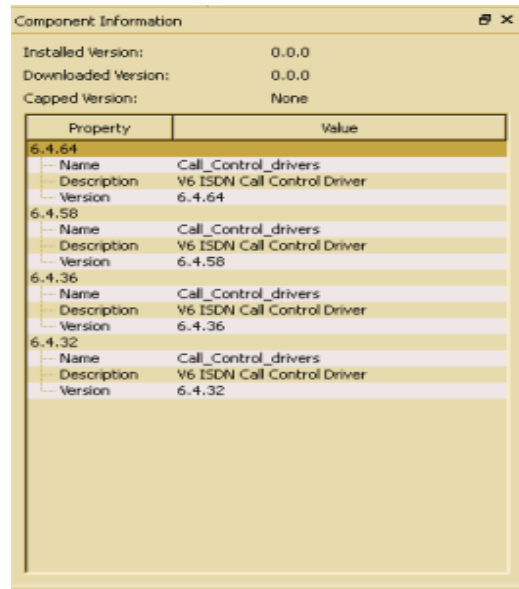


Fig.14

This window displays all Component versions for a given Component. In Fig.14 4 different version are displayed.

4 Package Functions

Packages have various functions that can be performed on them. An Aculab Package File, APF, can be created. This file contains all the Component files and Package details to load a package on another machine without the need to connect to the AIT server. Another Package file type called Package Template File, PTF, maybe created. This is similar to the APF however the file does not contain the Component files; they will need to be downloaded from server.

4.1 Aculab Package Files

Aculab Package Files, APF, are created using the *Create an APF file* from the *Packages* menu (see fig. 10). Once selected the AIT will create an APF file using all included Component files. The final file is created in the AIT directory and named <Package Name>.apf. These can be then imported by other machines with AIT Version 2 or greater, see section 4.3

4.2 Package Template Files

The Package Template File, PTF, is a small file that tells the AIT what Components from a Distribution are required to recreate the Package. PFTs may be available from the AIT server that contain Aculab defined Packages. To create a PTF use the *Package* menu and select *Create Package Template File*. This will create a PTF file named <Package Name>.ptf in the AIT's PTF folder. PTF files can be imported to recreate Packages using the *Import* menu, see section 4.3

4.3 Importing Packages

Under the *File* menu there is a submenu called *import* (Fig.15).

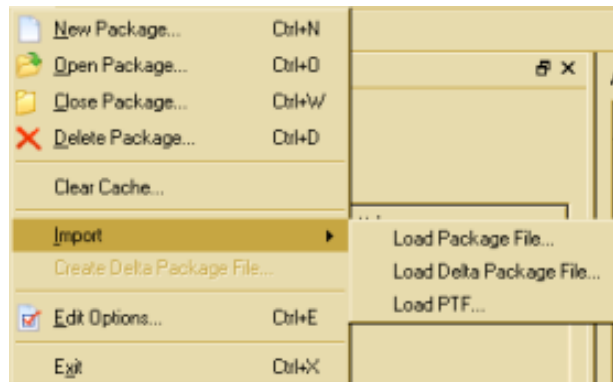


Fig.15

Load Package File – Imports an APF file. It will present an Open File window and will ask the user to select an APF file. When OK is pressed, the AIT will create the new Package, providing no other package exists with the same name, and it will ask if it should be opened. Once imported, the Cache will be populated with Component files read for installation. It will also ask the user to set the installation Directory. When importing a PTF file the user will be asked if they would like to open in Reference or Creation mode (Fig.16)

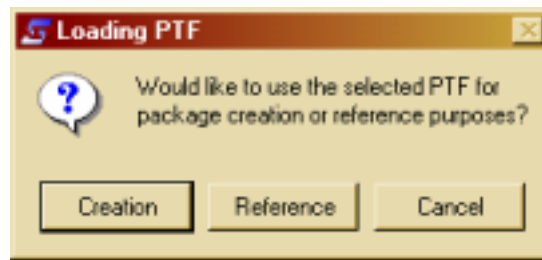


Fig.16

Selecting Creation will recreate the Package as described previously. The Reference option is used for Delta Package Files, see section 4.4. Cancel will terminate this function, returning to the AIT's previous state.

Load Delta Package File – Imports a Delta Package File. This option will present an Open File window and ask the user to select a DPF file. DPFs are similar to APFs, with their difference lying in what Components are included. APF file includes all files, where as DPF only includes upgraded Components. See section 4.4 for further information.

Load PTF – Imports a Package Template File. It will present an Open File window and ask the user to select a PTF file. Once imported a new package is created and is ready for actions to be perform.

4.4 Delta Package Files

Delta Package Files, DTFs, are useful for upgrading systems that have no access to the AIT server. They are related to an APF file, but are smaller in general as they contain only upgraded components.

4.4.1 Creating a Delta Package File

If a system has no access to the AIT server, the only way to upgrade components is to use Delta Package Files. First the system needing the upgraded must create a PTF of the currently installed Packages. This is then imported as a Reference; see Fig.16, onto a system with AIT access. Creating by reference does not create any physical files; all details are stored in memory. At this point the user can modify the Package to add, upgrade or remove Components. Once they are satisfied they have changed what is required, the user from File menu must call `Create Delta Package File`. This in turn will display the Delta Package Creation window (Fig.17)

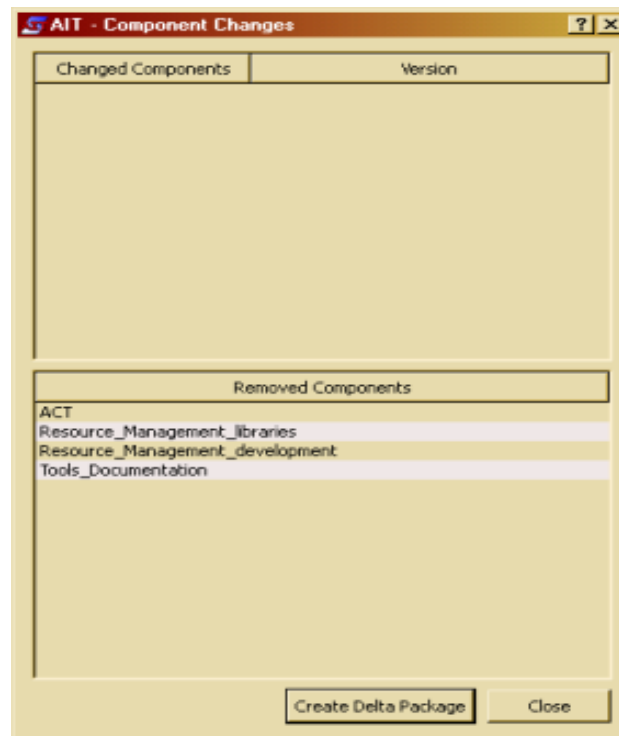


Fig.17

This window displays the changes made to the Package. Clicking Create Delta Package will create the DPF in the AIT directory. It will have the name <Package Name>.dpf. Close will cancel the creation of the DPF and restore the AIT to its previous state.

4.4.2 Importing Delta Package File

From the File Menu select Import – Load Delta Package File. This will present an Open File window. From here select the Delta Package File you wish to install and select OK. Cancel will cancel the importing to the Delta Package File. If no Package with the same name exists when import the Delta Package File is selected then this operation will fail. Otherwise the current Package will be closed and the changes to the Package made.

5 Other Functionality

5.1 Options

The AIT has a set user configurable options to customise the running of the AIT. From the `File` menu select `Edit Options`. This will display the options window (Fig.18).

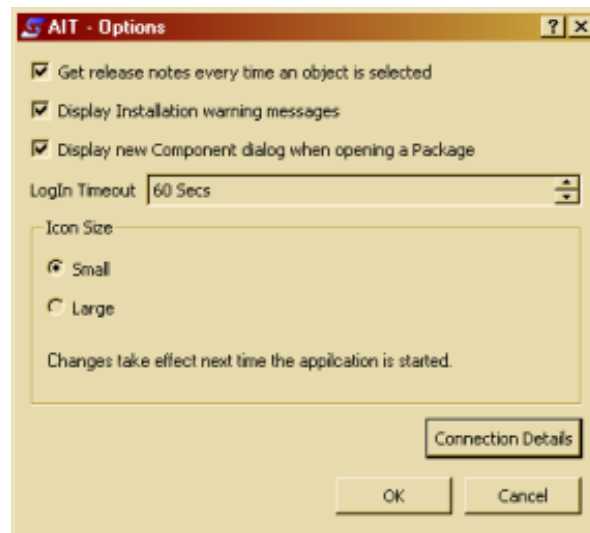


Fig.18

Get release notes every time an object is selected – collects and displays release notes in the Release Notes window every time a new Component is selected.

Display Installation warning Messages – If a Component has a warning message set then this option will display them during the installation.

Display New Component dialog when opening a Package – When this is selected the New Component window (see Fig. 6) will be displayed if there are new Components on the server. If this is not selected then this windows will not be displayed.

LogIn Timeout – Is the time, in seconds, for a Login attempt to abort.

Icon Size – Sets the Icon size of Tool bars to small or large. An icon change will take effect the next time the AIT is restarted.

Connection Details - Displays the Connection Details window See Fig.1 and section 2.1.

5.2 Clear Cache

Clearing the Cache may be required from time to time, especially if a system is short of disk space. From the File menu select Clear Cache. This will present the Cache Manager window (Fig.19).

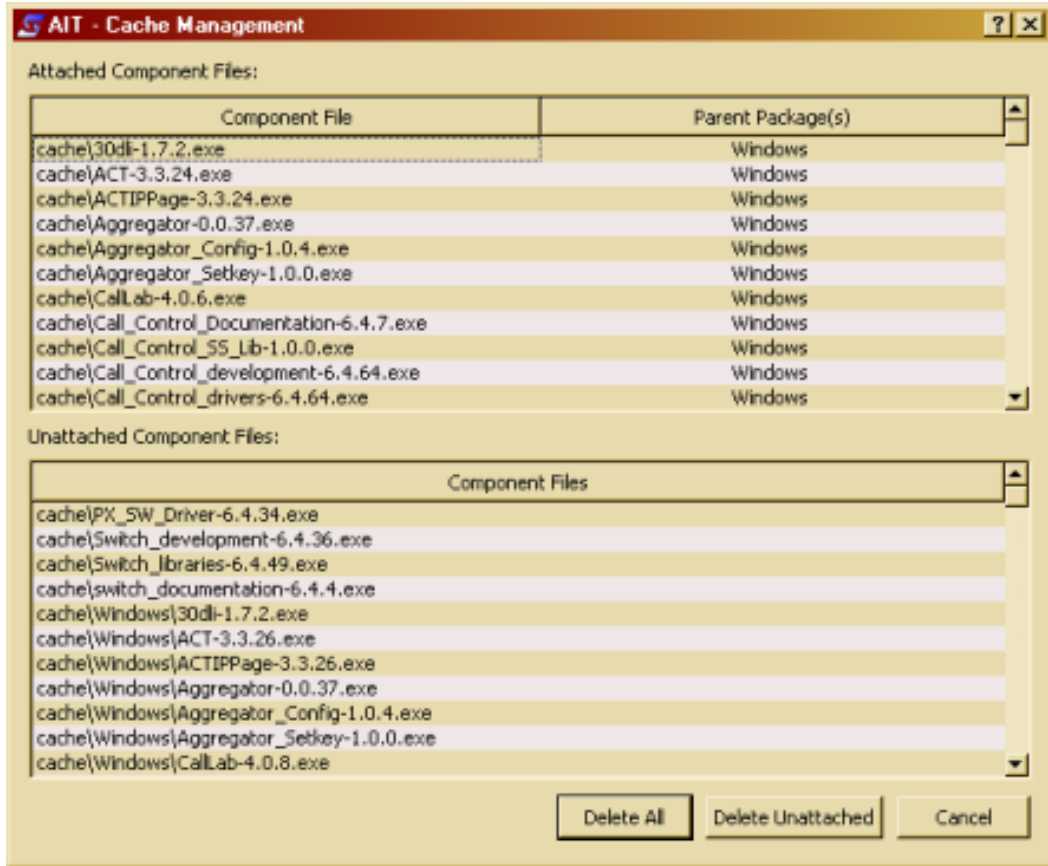


Fig.19

The two views show all the Components in the cache. The top view shows all attached Components. These are the Components currently in use in one or more Packages. The second view, Unattached Component Files shows a list of files that are no longer used in Packages.

Delete All – Will remove all files in the Cache.

Delete Unattached – Will remove all files in the unattached list

Cancel – will cancel the current operation and return the AIT to its previous state.

5.3 Changing Installation Path

The installation path for the package can be moved. This can only be done on Packages that have no Components Installed. If the user wants to change the Path of an installed Package they will have to uninstall it first.

From the Package menu select Change Installation Path. This will display the Change Installation Path window (Fig.20).



Fig.20

The Browse button opens a Select path window. Ok will accept the new Path and cancel will return with out changing anything.

5.4 Help Menu

The Help menu has a few options. "About" will display a standard about Box stating the AIT version. The second option is Save Output Text. Saving Output Text will save all text in the Output Window (Fig.21)

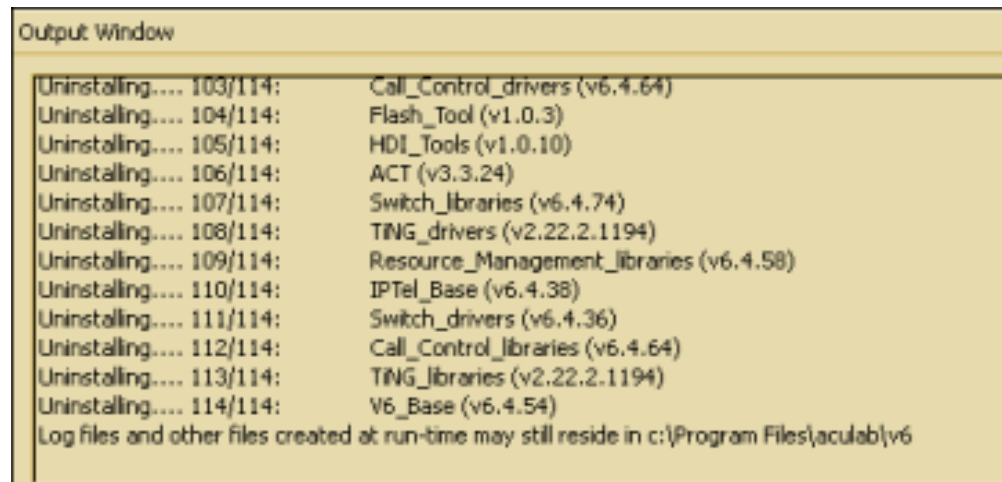


Fig.21

This option will present a file save windows for the user to select the location where to save the file.

6 Command Line Tool

The majority of the AIT UI functionality is available via the command line tool, AIT_CMD. When a GUI environment does not exist or the over head of running GUI application is not desirable then the command line tool is provided as an alternative.

6.1 Switch List

Switch	Function
-new <package name>	Creates a new package with package name as its name. This requires users input to complete this operation.
-install <package name>	Install the package with the name package name.
-uninstall <package name>	Uninstall the package with the name package name.
-download <package name>	Downloads all included Components in the package with the name package name.
-delete <package name>	Delete Component files from the cache.
-remove <package name>	Removes, from the package list, the package with name package name.
-list <package name>	Lists new Components for the package with name package name.
-makePTF <package name>	Creates a PTF in the PTF folder for the package with name package name.
-loadPTF <file>	Loads a PTF from file.
-loadDPF <file>	Loads a DTF from file.
-makeAPF <package name>	Creates an APF from the package with name package name.
-loadAPF <file>	Load an APF from file.
-packages	Lists all available packages.
-setup	Set up AIT2 details. Requires User interaction.

6.2 Setting Up using AIT_CMD

If the AIT_GUI has not set up the connection details, then they will need to be configured, if network connectivity is required, before using AIT_CMD. As with the GUI application the user will be prompted for their Username and password, there is the opportunity to enter Proxy server addresses and any Authentication information that maybe required. Please Note. Unless otherwise told by Aculab Technical Support, please leave server set to:

Installer.aculab.com

Once set up then the AIT should be able to connect to the Server. To enter the AIT_CMD setup menu use the "-setup" switch.

6.3 Creating New Package

Using the "-new" switch and a package name: e.g. "AIT_CMD -new testpackage" will create a Package with the name of testpackage. Once started the application will request the user to select a Distribution. This distribution will be the base Distribution that the package will take its selected

files from. It will then ask for an installation location.
Once selected a third option is presented to the user. The User now has the choice of which components to include and which to exclude. If yes is the response to the question, "included all components?" all available Components are included in Package automatically. Otherwise Component will have to include manually one at a time.
Once done the Package is complete and ready for actions.

6.4 Package Switches

6.4.1 Download Switch

Using the Download switch with a package will cause all included Components not present in the cache to be downloaded.

6.4.2 Install Switch

Using the Install switch with a package will cause all included, non-installed Components to be installed.

6.4.3 Uninstall Switch

Using the uninstall switch with a package will cause all installed Components to be uninstalled.

6.4.4 Delete Switch

Using the delete switch will remove all included Components from the cache.

6.4.5 Remove Switch

Using the remove switch will remove the Package from the list of available packages.

6.4.6 List Switch

Using the List switch will display the list of new Components for a given package.

6.5 Advanced Switches

Further switches are available to allow for advance features to be used.

6.5.1 makePTF switch

Using the makePTF switch will generate a PTF file in the AIT PTF folder of the supplied package name.

6.5.2 loadPTF switch

Using the loadPTF will load a PTF and create a package from it.

6.5.3 loadDPF switch

Using loadDPF will loads a DPF file and add to current package if it exists.

6.5.4 makeAPF switch

Using makeAPF will create an APF file for the package if the package exists.

6.5.5 loadAPF switch

Using loadAPF will create a Package from the given APF file if the package the name of the APF file has not already been taken.

6.6 Other Switches

Two other switches exist, these are setup as mention and explained in section 6.2 and “–packages”. The Packages switch list all packages currently known to the AIT.