QUIK-REVIEW

Niagara^AX Platform Tools

LOCAL HOST (WORKSTATION) PLATFORM TOOLS

Platform

Name	Description
Application Director	Control applications and access console output
DDNS Configuration	Configure the way DDNS operates.
Dialup Configuration	Configure the way the remote host uses dialup networking
Lexicon Installer	Install lexicons to support additional languages
License Manager	Manage licenses and certificates
Platform Administration	Update the platform daemon's port or credentials, or set its date and time
Software Manager	Install software to the remote host
TCP/IP Configuration	Manage the host's TCP/IP settings
User Manager	Manage the local OS users and groups
Remote File System	The remote host's file system

REMOTE HOST (JACE) PLATFORM TOOLS

Platform

Name	Description
Application Director	Control applications and access console output
DDNS Configuration	Configure the way DDNS operates.
Dialup Configuration	Configure the way the remote host uses dialup networking
Distribution File Installer	Install distribution files to the remote host
File Transfer Client	Transfer files to and from the remote host
Lexicon Installer	Install lexicons to support additional languages
License Manager	Manage licenses and certificates
Platform Administration	Update the platform daemon's port or credentials, or set its date and time
Software Manager	Install software to the remote host
Station Copier	Transfer stations to and from the remote host
TCP/IP Configuration	Manage the host's TCP/IP settings
Remote File System	The remote host's file system

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Niagara^AX Platform Tools

The same platform tools exist for both local and remote host, with the following exceptions as shown in the table below:

PLATFORM TOOL	LOCAL PLATFORM (Workstation)	REMOTE QNX-based PLATFORM (JACE)	REMOTE Windows-based PLATFORM (PC or JACE)
Application Director	X	X	X
DDNS Configuration	X	X	X
Dialup Configuration	X	X	X
Distribution File Installer	---	X	X
File Transfer Client	---	X	X
Lexicon Installer	X	X	X
License Manager	X	X	X
Platform Administration	X	X	X
Software Manager	X	X	X
Station Copier	---	X	X
TCP/IP Configuration	X	X	X
User Manager	X	---	X
Remote File System	X	X	X

Niagara^AX Platform Tools

## COMMON LOCAL/REMOTE HOST PLATFORM TOOLS

APPLICATION DIRECTOR

Application Director

Allows you to start, stop, restart and kill a station on the connected NiagaraAX platform, (whether a remote JACE or a local AxSupervisor PC), as well as see station output for troubleshooting purposes.

In the Application Director for any JACE, the "installed applications" area should show (at most) only one station. However, the Application Director for a PC platform (AxSupervisor, Workbench workstation) may show multiple stations.
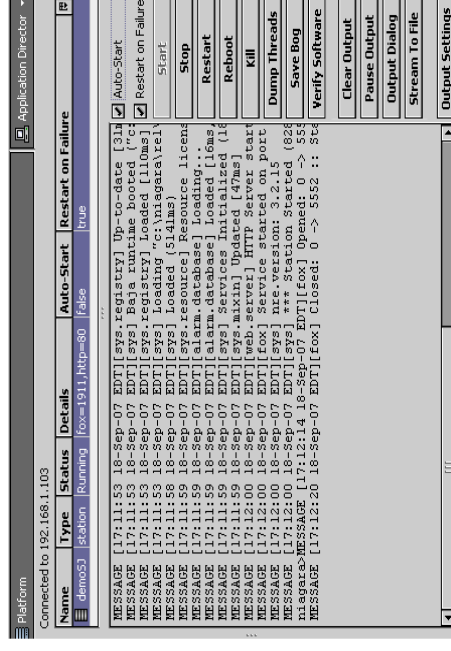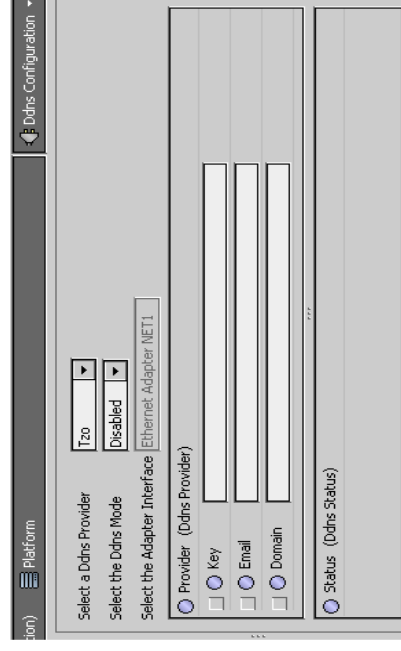
DDNS CONFIGURATION

DDNS Configuration

Allows for DNS IP addresses to be dynamically updated (DDNS), an option sometimes used for JACE platform hosts – typically (although infrequently) when using dialup connection.

DDNS = Dynamic Domain Name System

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COMMON LOCAL/REMOTE HOST PLATFORM TOOLS

DIALUP CONFIGURATION

Dialup Configuration
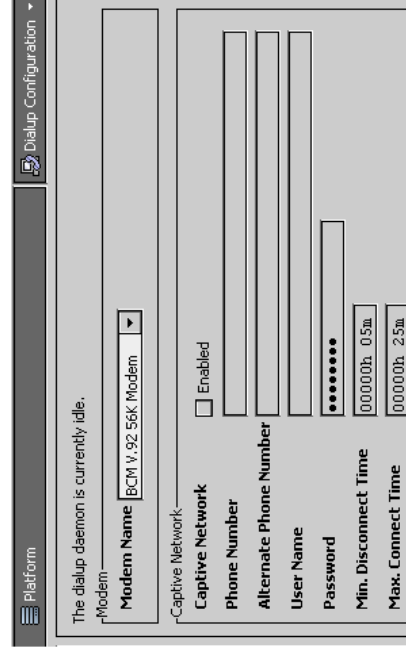
Provides platform setup of the host's modem and optional settings for "Captive Network" dialup support.

NOTE: A captive network is where the JACE will try to remain connected to the network.

For any QNX-based platform (e.g., JACE-201, -403, -545, -601, Security JACE):

Allows configuration of modem to RECEIVE calls.
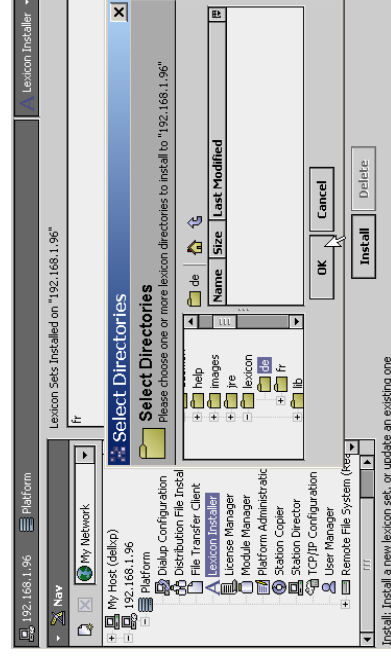
LEXICON INSTALLER

Lexicon Installer

Allows installing lexicon files (for non-English language support) on a remote host. You may have modified the English lexicon to change the wording used in default labels.

When you select Lexicon Installer, any existing lexicons (already installed in that platform) are listed in the view pane. When you click Install, a "Select Directories" dialog appears for you to select lexicons (on your Workbench PC) to install in the remote platform
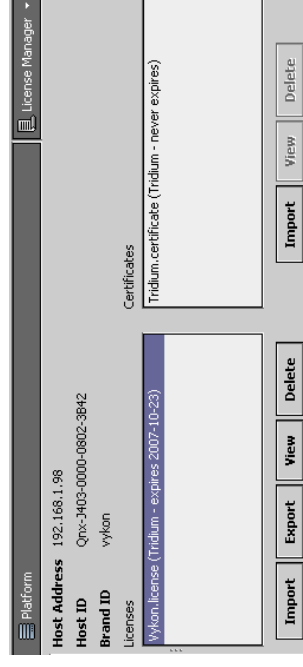
Niagara^AX Platform Tools

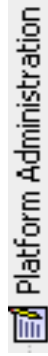## COMMON LOCAL/REMOTE HOST PLATFORM TOOLS

LICENSE MANAGER
License Manager

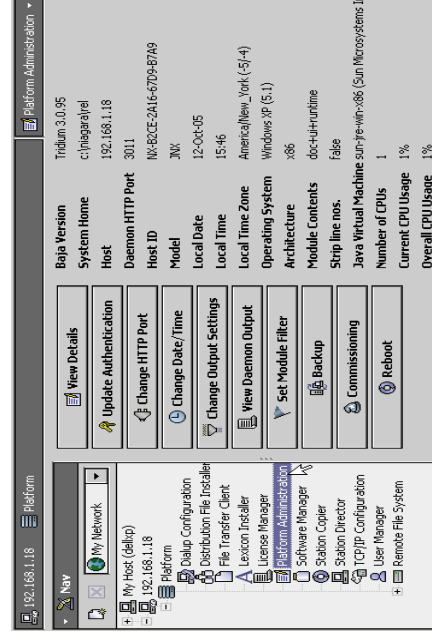View and install (import) Niagara^AX licenses and certificates to a remote JACE platform, sourced either from your Workbench PC or the Niagara licensing server. You can also view contents of licenses and certificates, and if desired, delete them from a JACE.

Platform					License Manager ▾
Host Address	192.168.1.98				
Host ID	Qnx-J403-0000-0802-3B42				
Brand ID	vykon				

Licenses
Vykon.license (Tridium – expires 2007-10-23)

Certificates
Tridium.certificate (Tridium – never expires)

Import Export View Delete   Import View Delete

PLATFORM ADMINISTRATION
Platform Administration

Provides access to various platform daemon (and host) settings, summary information – date/time, http port, JACE data, etc., and actions – commissioning, rebooting, etc.
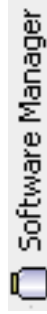
Nav
My Network
  My Host (delup)
    192.168.1.18
    Platform
      Dialup Configuration
      Distribution File Installer
      File Transfer Client
      Lexicon Installer
      License Manager
      Platform Administration
      Software Manager
      Station Copier
      Station Director
      TCP/IP Configuration
      User Manager
      Remote File System

Platform Administration ▾

View Details
Update Authentication
Change HTTP Port
Change Date/Time
Change Output Settings
View Daemon Output
Set Module Filter
Backup
Commissioning
Reboot

|	
Baja Version	Tridium 3.0.95
System Home	c:\niagara\rel
Host	192.168.1.18
Daemon HTTP Port	3011
Host ID	NX-80CE-2A16-67D9-B7A9
Model	JNX
Local Date	12-Oct-05
Local Time	15:46
Local Time Zone	America/New_York (-5,4)
Operating System	Windows XP (5.1)
Architecture	x86
Module Contents	doc+lui+runtime
Strip line nos.	False
Java Virtual Machine	sun-jre-vm-x86 (Sun Microsystems In
Number of CPUs	1
Current CPU Usage	1%
Overall CPU Usage	1%

COMMON LOCAL/REMOTE HOST PLATFORM TOOLS

SOFTWARE MANAGER

Install, upgrade, or remove modules in the connected Niagara platform.
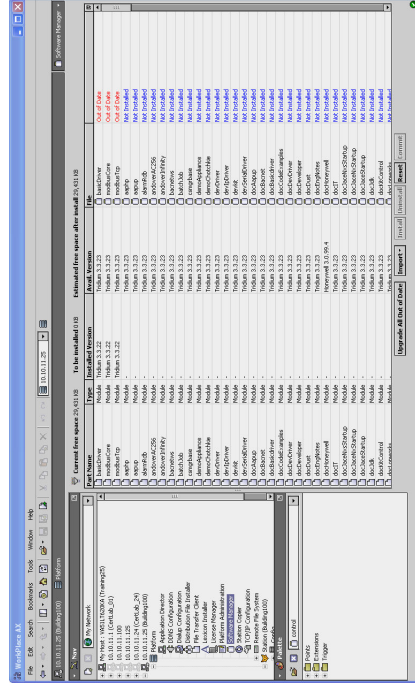
TCP/IP CONFIGURATION

Configure a remote JACE host's TCP/IP settings. Typically, you make initial settings when you first commission a JACE.

NOTE:

TCP/IP = the set of communications protocols that implement the protocol stack on which the Internet and most commercial networks run. It has also been referred to as the TCP/IP protocol suite, which is named after two of the most important protocols in it: the Transmission Control Protocol (TCP) and the Internet Protocol (IP).
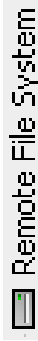
QUIK-REVIEW
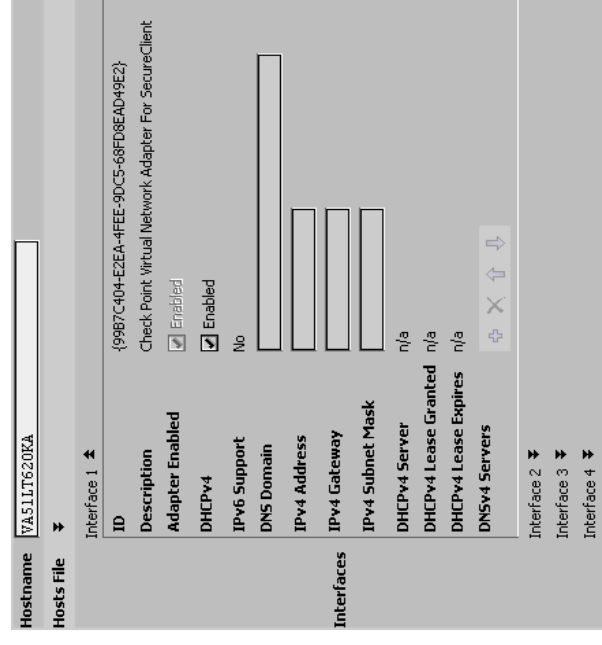
Niagara^AX Platform Tools

COMMON LOCAL/REMOTE HOST PLATFORM TOOLS

REMOTE FILE SYSTEM

Remote File System

Provides a read-only view of the remote platform's file system.

For QNX-based platforms (only), it also provides browse capability of the file system root (/) of the remote host, using the Nav tree side bar of the Workbench.

QUIK-REVIEW
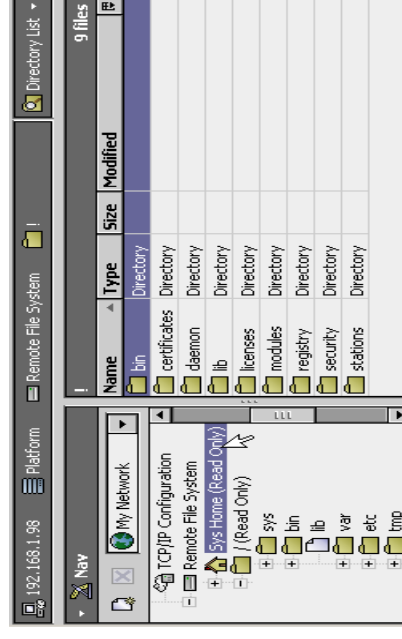
Niagara^AX Platform Tools

PLATFORM TOOLS UNIQUE TO LOCAL HOST (WORKSTATION)

USER MANAGER

User Manager

Allows you to manage **Windows operating system user and group accounts** local to that host (which otherwise would require accessing *Administrative Tools* in Windows on that host.

NOTE: You require "admin-level" platform access in order to change any user settings. When connected to the platform using a "user-level" login, you can review settings, but none of the buttons in this view are available, nor are "drag and drop" actions possible.
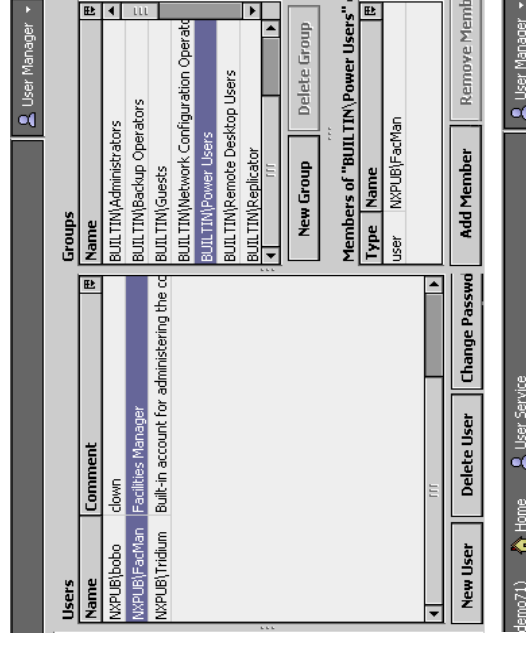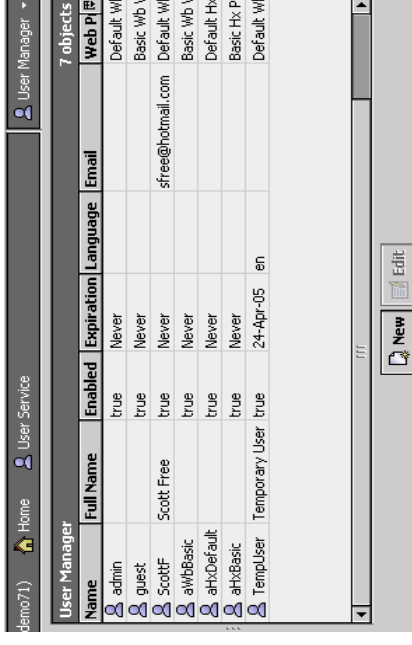
Levels of platform access: Basic platform authentication provides two levels of platform access, which are determined by a user's group membership(s). The levels of platform access are:

User - Platform access at this level allows full use of most Workbench platform views. This includes the ability to install or delete licenses and stations (including the one running), also to install, re-install, or upgrade the platform dist file and/or modules, and to start, re-start, or stop a station.

Admin - Full access. This includes all user-level platform operations, plus the ability to configure host TCP/IP settings and dialup configuration, change platform authentication, change platform daemon HTTP port, change host date/time settings, use the File Transfer Client, and reboot the host.

When platform-connected at the user level (vs. admin), some platform views are read only. This includes views for Dialup Configuration, TCP/IP Configuration, and User Manager. In addition, some Platform Administration view buttons are unavailable.

User Manager panel

Users

Name	Comment
NXPUB\bobo	clown
NXPUB\FacMan	Facilities Manager
NXPUB\Tridium	Built-in account for administering the c...

Groups

Name
BUILTIN\Administrators
BUILTIN\Backup Operators
BUILTIN\Guests
BUILTIN\Network Configuration Operato...
BUILTIN\Power Users
BUILTIN\Remote Desktop Users
BUILTIN\Replicator

New Group   Delete Group

Members of "BUILTIN\Power Users"

Type	Name
user	NXPUB\FacMan

Add Member   Remove Memb...

New User   Delete User   Change Passwo...   🏠 Home   👤 User Service

---

User Manager (second panel)

demo71) 🖳 User Manager ▾   7 objects

Name	Full Name	Enabled	Expiration	Language	Email	Web Pl...
admin		true	Never			Default Wb...
guest		true	Never			Basic Wb W...
ScottF	Scott Free	true	Never		sfree@hotmail.com	Default Wb...
aWbBasic		true	Never			Basic Wb W...
ahxDefault		true	Never			Default Hx...
ahxBasic		true	Never			Basic Hx Pr...
TempUser	Temporary User	true	24-Apr-05	en		Default Wb...

🗋 New   📝 Edit

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Niagara^{AX} Platform Tools

PLATFORM TOOLS UNIQUE TO REMOTE HOST (JACE)

DISTRIBUTION FILE INSTALLER

Distribution File Installer

Restore any locally available "backup" .dist file of a remote JACE. (A dist file is a zip file that contains other files and a "manifest" that describes the contents of the distribution.) Initiate a backup using the Backup command from the platform's Platform Administration view or directly from the Backup Service in the station running on that host. Upgrade a previously installed JACE with a newer build of the Niagara runtime environment (NRE).

A JACE upgrade typically requires at least two separate .dist files for the Niagara runtime environment (NRE): nre-config and nre-core. The specific config file needed varies by JACE model, particularly among models of "embedded" (QNX-based) JACEs.

NOTE: *To avoid confusion about .dist files when upgrading a previously-commissioned JACE, it is recommended that you use the Commissioning Wizard instead of the Distribution File Installer.*

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Niagara^AX Platform Tools

PLATFORM TOOLS UNIQUE TO REMOTE HOST (JACE)

## FILE TRANSFER CLIENT

File Transfer Client

Allows you to copy files and/or folders between your Workbench PC and the remote Niagara platform, as needed. You can also use it to delete files and folders.

CAUTION!

When using the File Transfer Client, especially when copying files to a target JACE platform, or whenever using the delete (X) control:

Note that in either direction, when transferring a file and an identically-named file already exists, a popup confirmation dialog appears before the copy. A popup confirmation dialog also appears before any delete. However, after confirmation, there is no "Undo."
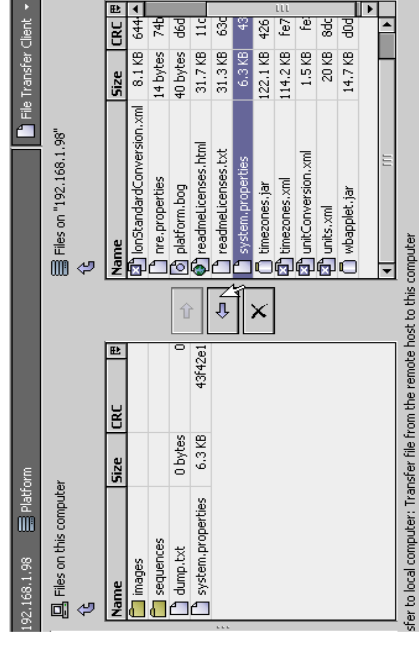
STATION COPIER

Station Copier

Install a station in a remote platform, as well as make a local backup of a remote station (copy to your PC). You can also delete stations, either locally or remotely.