Printer configuration using the Advanced Configuration Tool

The Advanced Configuration Tool allows you to configure and administer your Tektronix printer and the queues it services, while providing functionality not available with **PCONSOLE**. The tool allows you to control parameters that can be set from **PCONSOLE**. It also allows you to control the following printer-specific parameters not supported by **PCONSOLE**:

■   Setting the network frame type

■   Setting the queue scan interval

■   Setting the configuration file server

■   Enabling and disabling error notification

■   Resetting the print server

■   Changing the print server's name

■   Setting the printer's login password

■   Selecting users to be notified of printer errors

■   Controlling banner printing on a per-queue basis

Note   *For information on configuration using PCONSOLE, see the topic "Printer configuration using PCONSOLE."*

The Advanced Configuration Tool is compatible with NetWare 4.x, but it uses the bindery to configure the printer and queues. Instead of accessing the entire network, individual file servers are viewed and selected.

Note   *If your network has more than 32 file servers, use the Advanced Configuration Tool to configure printers and queues.*

The Advanced Configuration Tool creates and maintains a configuration file for each printer. Configuration files contain the names of the queues and file servers the printer will service.

Configuration files created by the Advanced Configuration Tool reside in the directory *SYS:LOGIN\TEK*.

Configuration files are named according to the following syntax:

TK*xxxxxx*

where *xxxxxx* represents the last six hexadecimal digits of the Printer ID of the printer being configured.

Installing the Advanced Configuration Tool

The Advanced Configuration Tool (*ACT.EXE*) is in the *ACT-TOOL* directory on the PC version of the printer's network utilities diskettes. You can run the tool from the diskette, but it is recommended that you install it on the hard disk of a NetWare file server or client.

To install the advanced configuration tool, copy it from the *ACT-TOOL* directory of the diskette to a directory on a NetWare file server or client. For example, if the network utilities diskette is in drive **B:** and the destination directory is *F:\PUBLIC*, type this command:

COPY   B:\ACT-TOOL\ACT.EXE   F:\PUBLIC

NetWare quickstart procedure (Quick configuration)

Use this procedure to perform a quick configuration using the default parameters supplied by the Advanced Configuration Tool. For more information on using the Advanced Configuration Tool, see the topic "Choosing items in the Advanced Configuration Tool", and see the topic "Advanced Configuration Tool menu map". For information on changing the default parameters set up by this quick start procedure, see the topic "Advanced configuration".

Before beginning this procedure, make sure that the printer is connected to the network and turned on.

1. Log on with supervisor privileges. In NetWare 4.x, log on using the **/B** option to invoke bindery emulation as shown here:

     LOGIN /B *file-server-name/***ADMIN**

2. Start the Advanced Configuration Tool:

   a. Change (**CD**) to the directory that contains the tool. For example, if the tool is in *F:\PUBLIC*, type:

      F:
      CD \PUBLIC

   b. Type:

      ACT

3. Select **Quick configuration** from the **Configure** menu. The available Tektronix printers are displayed.

4. Select the Tektronix printer you wish to configure and press **Enter**. The factory default print server name is in the following syntax:

      TEK*xxxxxx*

where *xxxxxx* are the last six hex digits of the printer's Printer ID.

5. When you have selected a Tektronix printer, a list of file servers is displayed. Select the file server you wish to configure and press **Enter**.

6. You may be prompted to log in to the server. Log on with supervisor privileges.

7. After you log in to the file server, a list of queues is displayed. Select an existing queue or create a new queue. To create a new queue, press **Insert**, type the name of the queue, and press **Enter**.

8. You can now configure more queues or finish the quick configuration.

If you want to configure more queues

    a. Select **Save configuration** and press **Enter**.

    b. Select the name of the file server that will hold the configuration file for this printer and press **Enter**. (This step is only needed after configuring the first queue.)

    c. A list of queues for the current file server is displayed. To add queues to a different file server, press **Escape** and return to Step 5. To configure a queue from the current file server, select an existing queue from the displayed list or create a new queue. To create a new queue, press **Insert**, enter the name of the queue, and press **Enter**.

If you want to finish the quick configuration

    a. Select **Save configuration and restart print server**.

    b. Select the name of the file server that will hold the configuration file for this printer and press **Enter**. This saves the configuration file and restarts the print server portion of the printer (not a complete printer reset).

9. Use the **Escape** key to exit the menus and return to the main menu.

10. Select **Exit** to exit the Advanced Configuration Tool.

Default parameters set up by quick configuration

The quickstart procedure uses the default print server and queue parameters listed in the following two tables. If these default parameters are not acceptable, use the Advanced Configuration Tool for further configuration as described under the topic <u>"Advanced configuration"</u>.

Advanced Configuration Tool default print server parameters

Parameter	Default value
Print server name	**TEK***xxxxxx* where *xxxxxx* represents the last six hex digits of the printer's Printer ID.
Frame type	Adaptive (printer uses the frame type of the first file server that responds to a broadcast from the printer)
Queue scan interval (sec)	15
Configuration server	Automatically set during quick configuration
Error notification	Disabled
Full name	None
Print server operators	SUPERVISOR or ADMIN (NetWare 4.0)
Notify list	Empty
Login password	None
File server(s) to service	Set during quick configuration
Queue (s) to service	Set during quick configuration

Advanced Configuration Tool default queue parameters

Parameter	Default value
Queue name	Set during quick configuration
Queue operators	SUPERVISOR or ADMIN (NetWare 4.0)
Queue servers	Set during quick configuration
Queue users	EVERYONE or ADMIN (NetWare 4.0)
Allow new print jobs	Yes
New servers allowed	Yes
Service current jobs	Yes
Suppress banners	No (default). The printer determines whether to print banners based on the user's selection for NetWare banner options. (If you select Yes, the printer does not print banners for any jobs in the queue, regardless of the user's selection for NetWare banner options.)

Advanced Configuration Tool default Token Ring parameters

Parameter	Default value
Address	A bit-swapped version of the printer's Printer ID.
ETR	On
Routing	Adaptive

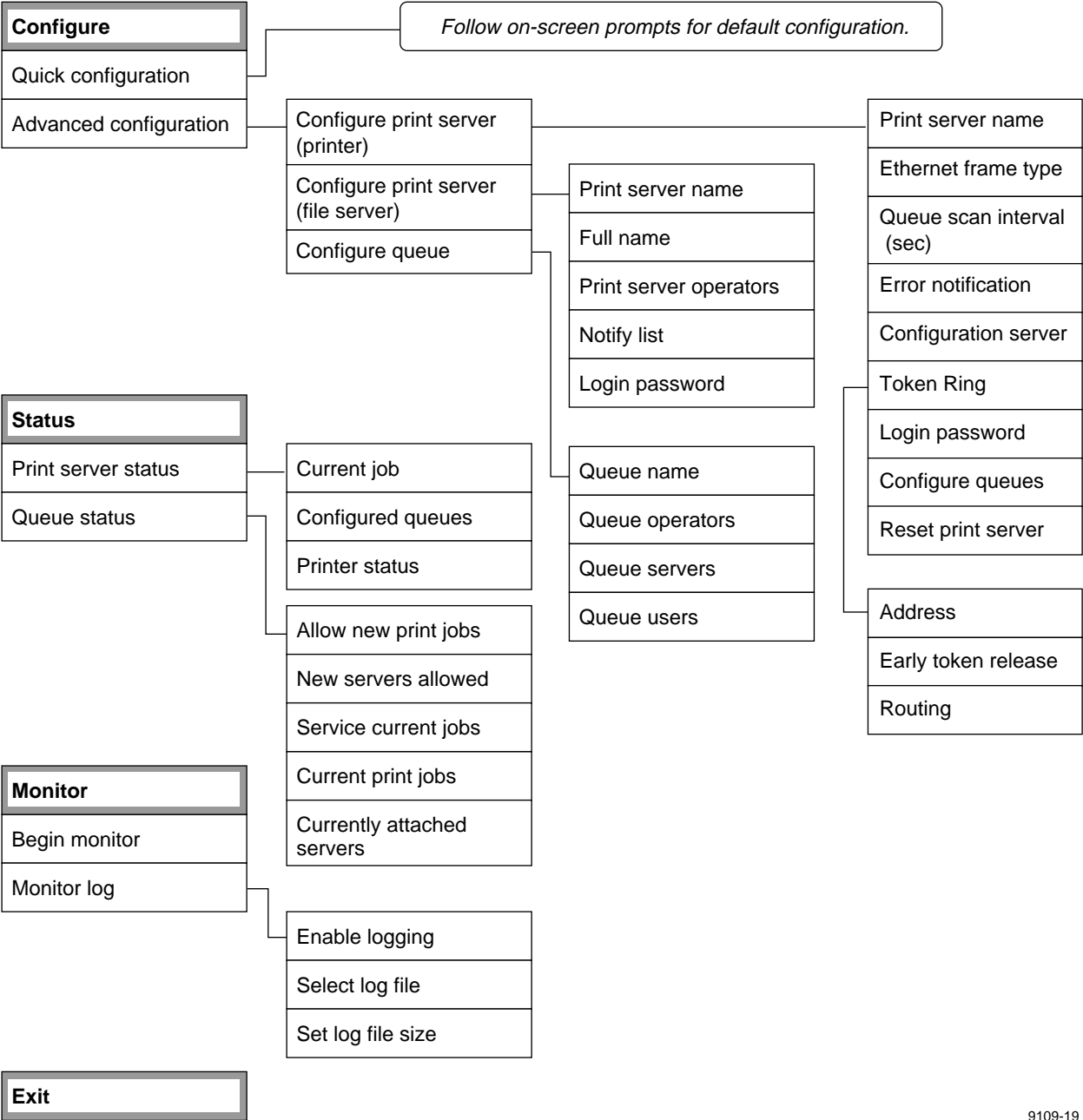# Choosing items in the Advanced Configuration Tool

Choosing menu items

1. Select the desired menu item:

   - Use the arrow keys to highlight the desired selection.

     or

   - If the first letter of the menu item is red, press the key corresponding to the first letter of the menu item.

2. When the desired menu item is highlighted, press the **Enter** key.

3. Press the **Escape** key to go back to the previous menu.

List boxes

1. Use the arrow keys to highlight the desired selection.

2. When the desired menu item is highlighted, press the **Enter** key.

- If the list is too long to be displayed in the box, the last item in the box indicates that there are more items in the list (for example, in a list of queues, the last item is **More queues**). To see the rest of the list, select the last item and press **Enter**.

- To insert an item into a list, press the **Insert** key. To delete an item, press the **Delete** key.

- To close the list box and return to the previous menu without making a choice, press the **Escape** key.

Advanced Configuration Tool menu map

Configure

Quick configuration

Advanced configuration

Follow on-screen prompts for default configuration.

Configure print server (printer)

Configure print server (file server)

Configure queue

Print server name

Full name

Print server operators

Notify list

Login password

Print server name

Ethernet frame type

Queue scan interval (sec)

Error notification

Configuration server

Token Ring

Login password

Configure queues

Reset print server

Queue name

Queue operators

Queue servers

Queue users

Address

Early token release

Routing

Status

Print server status

Queue status

Current job

Configured queues

Printer status

Allow new print jobs

New servers allowed

Service current jobs

Current print jobs

Currently attached servers

Monitor

Begin monitor

Monitor log

Enable logging

Select log file

Set log file size

Exit

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Advanced configuration

To perform advanced configuration:

1. Log on with supervisor privileges. In NetWare 4.x, log on using the **/B** option to invoke bindery emulation as shown here:

LOGIN /B *file-server-name/***ADMIN**

2. Start the Advanced Configuration Tool:

a. Change (**cd**) to the directory that contains the tool. For example, if the tool is in *F:\PUBLIC*, type:

F:
CD \PUBLIC

b. Type:

ACT

3. Select **Advanced configuration** from the **Configure** menu.

The following tables summarize the choices available under the **Advanced configuration** menu and its submenus.

Configure print server (printer) menu

With this menu, you can configure printer-specific parameters.

Advanced Configuration: configure print server (printer) menu

Submenu	Description	Choices
Print server name	Name for print server portion of printer's NetWare interface.	Any valid NetWare print server name.
Frame type	Frame type for packet transmission.	Adaptive* DIX Ethernet II IEEE Ethernet 802.3 IEEE Ethernet 802.2 IEEE Ethernet SNAP Token Ring Token Ring-SNAP
Queue scan interval (sec)	Interval (in seconds) to scan queues.	1 – 3600 seconds
Error notification**	Enable/disable notify list.	Enable Disable
Configuration server	File server to search for configuration file.	Any valid NetWare file server.
Token Ring	Displays Token Ring submenu	See "Token Ring menu".
Login password	Password used when logging in to a file server.	Any valid NetWare password (limited to 47 characters).
Configure queues	Allows configuration of queues for selected printer to service.	Can select, add, or delete queues from the list.
Reset print server	Resets print server portion of printer's NetWare interface.	

* If the frame type is set to **Adaptive**, the printer uses the frame type of the first file server that responds to a broadcast from the printer. Over Ethernet, the printer broadcasts packets in the following order: IEEE Ethernet 802.3, IEEE Ethernet 802.2, DIX Ethernet II, IEEE Ethernet 802.3-SNAP. Over Token Ring, the order is: IEEE Token Ring 802.5, then IEEE Token Ring 802.5-SNAP. The new frame type is not used until the print server or printer is reset.

If you enable error notification, you must create a notify list using the **Notify list command in the Configure print server (File Server) menu. If a group name is selected, notification messages are sent to every user in that group.

Configure print server (file server) menu

Use this menu to configure file-server-specific parameters for the printer.

Advanced Configuration: Configure print server (file server) menu

Submenu	Description	Choices
Print server name	Name for print server portion of printer's NetWare interface.	Any valid NetWare print server name.
Full name	User-supplied name for the print server.	Any valid NetWare print server full name.
Print server operators	List of authorized print server operators.	Select users from the list to be print server operators.
Notify list	List of users or groups to notify if there is a printer error.*	Select users from the list to be notified of printer errors.
Login password	Password used when logging in to a file server.	Any valid Netware password (limited to 47 characters).

* The printer sends messages such as: out of paper, paper jam, cover open. If you create a notify list, be sure to enable notification using the **Notify** command in the **Configure print server (printer) menu**.

Configure queue menu

With this menu, you can add or delete queues on a selected file server. You can also modify queue parameters.

Advanced Configuration: Configure queue menu

Submenu	Description	Choices
Queue name	Name of the print queue	Any valid NetWare print queue name.
Queue operators	List of queue operators	Any valid NetWare queue operator name.
Queue servers	List of queue servers	Any valid NetWare queue server name.
		May be automatically set during configuration. If you have already configured the printer to service a queue, the Tektronix print server is automatically enabled.
Queue users	List of queue users	Any valid NetWare queue user name.
		Under NetWare 4.0, ADMIN is automatically assigned, but you must add all other users.

Token Ring menu

With this menu, you can set Token Ring parameters on the PhaserShare Token Ring card.

Advanced Configuration: Token Ring menu

Submenu	Description	Choices
Address	Token Ring Address (by default, this is a bit swapped version of the printer's Printer ID, and it is a unique address on the network). You can supply a Locally Administered Address. See Appendix D for more information about the Token Ring address.	Any valid token ring address between 04.*xx.xx.xx.xx.xx* and 07.*xx.xx.xx.xx.xx.**
Early Token Release	The printer releases the token at the end of the last byte transmitted (not applicable at 4 Mbps).	On (default) Off
Routing	Token Ring source routing.	Transparent (no source routing) Source (use source routing) Adaptive (default; printer determines whether or not to use source routing based on the data)

* To return this address to its default value, enter an empty (null) string. If you change the address, the change does not take effect until the printer is reset.

Obtaining print server and queue status

The **Status** menu allows you to view the status of print servers and queues.

Print server status menu

The **Print server status** menu displays the following print server status information:

■　Current job

■　Configured queues

■　Printer status

Queue status menu

The **Queue status** menu displays queue information and allows you to control certain operator flags:

■　**Allow new print jobs** (set this operator flag to allow new print jobs)

■　**New servers allowed** (set this operator flag to allow new servers to be assigned)

■　**Service current jobs** (set this operator flag to enable servicing of current jobs)

■　**Current print jobs** (displays a list of current print jobs in the selected queue)

■　**Currently attached servers** (displays a list of currently attached queue servers)

The three operator flags correspond to the operator flags listed in **PCONSOLE** under the **Current Queue Status** submenu of the **Print Queue Information** menu (**Queue Server** in NetWare 4.0).

Monitoring print server activity

The **Monitor** menu enables you to view a print server's current and logged activity. You can view one print server at a time.

The **Monitor** menu has the following selections:

■ **Begin monitor** displays a list of Tektronix printers. Select the printer you wish to monitor from the list and press **Enter**.

■ **Monitor log** controls logging of print server activity to a file using three submenus:

   ■ **Enable logging** (starts and stops the log session)

   ■ **Select log file** (allows you to specify the name of the log file, including the path)

   ■ **Set log file size** (controls the size of the selected log file)

Changing the print server name or password

If you configured NetWare using the Advanced Configuration Tool

When you change the print server name or password using the Advanced Configuration Tool, the print server name or password is automatically changed on all file servers listed in the configuration file, if a configuration file exists for that printer. There will be a configuration file if you set up queues using the Advanced Configuration Tool's **Quick configuration** menu.

If an error occurs during the update, the change may not take place on all file servers and the printer will not be updated. In this case, you must correct the error and change the name or password again.

Note   *Do not use the Change Password function in PCONSOLE to set a password for the printer. If you use Change Password in PCONSOLE, the password is not sent to the printer. Use the Advanced Configuration Tool to set the printer password.*

If you configured NetWare using PCONSOLE

If you used **PCONSOLE** for your initial configuration, there will be no configuration file. Use the Advanced Configuration Tool to change the print server name or password.

1. Select the **Configure print server (file server)** from the **Advanced configuration** menu.

2. Select the Tektronix printer to be changed.

3. Select a file server that will be serviced by the printer.

4. Use the **Print server name** or **Login password** commands to make the change.

5. If the printer will service additional file servers, repeat Steps 3 and 4 for each file server.

6. When you have made the change on the last file server, answer **yes** to this prompt:

```
Have you made this change on all of the file
servers serviced by this printer?
```

The change is stored in the printer's memory.

Note *If you leave out a file server during this procedure, you must use PCONSOLE to make the change on that server.*

Exiting the Advanced Configuration Tool

The **Exit** menu quits the Advanced Configuration Tool and returns you to DOS.