

System Management

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DART 18 - ReSOFT Client Shut-down / Re-start

DART 18 automatically shuts down and, optionally, restarts all the ReSOFT clients in the local network.

DART 61 - System Survey

DART 61 performs a detailed system hardware, software and configuration survey. It runs automatically after the ReSOFT Client is installed or updated on a system, and can be executed on a schedule, or on demand.

Information collected by DART 61 includes:

- BIOS information including serial number(s), service tag number, and other detailed hardware information
- Disk drive capacity and capacity utilization information
- Software version and license information Support and operations related information:

- Detailed networking configuration information
- Start-up environment information
- E-mail client configuration information
- Browser configuration information
- Other application configuration information

DART 73 - System Restart

DART 73 can:

- Shut down, and then re-start a system.
- Shut down all processes running in the logon session of the process that called the ExitWindowsEx function, and then log the user off.
- Shut down a system, and turn off the power. The system must support, and have enabled the power-off feature.
- Shut down the system and then restart it, as well as any applications that have been registered for restart using the RegisterApplicationsRestart function.
- Shut down a system to a point at which it is safe to turn off the power. All file buffers have been flushed to disk, and all running processes have stopped.

DART 73 can perform the above functions on demand, or as scheduled through the DART configurator. Before re-starting a system, DART 73 gracefully terminates execution of all processes listed in the DART's **Names of processes to shutdown** parameter.

DART 89, 151-157, and 212-215 - Scheduled Program Execution

DART 89 executes the program entered in its configuration file on the schedule defined in the DART's schedule entry in its configuration file. You can enter just the executable name (ftp.exe) or a specified path (C:\download\internet\ftp.exe), and any combination of command line parameters allowed by the program you want to execute.

If the file name does not contain a directory path, the system searches for the executable file in the following sequence:

- The directory from which the application loaded
- The current directory for the parent process

- Windows 95/98: The Windows system directory using the **GetSystemDirectory** calls function to get the path of this directory.
- Windows NT/2000: The 32-bit Windows system directory using the GetSystemDirectory function to get the path of this directory. The name of this directory is System32
- Windows NT/2000: The 16-bit Windows system directory. There is no Win32 function that obtains the path of this directory, but it is searched. The name of this directory is System
- The Windows directory using the GetWindowsDirectory function to get the path of this directory
- The directories that are listed in the PATH environment variable

MS-DOS commands can be executed by DART 89 using the command.com executable. For example, if you wanted to copy some files using the **copy** command, you would type:

```
command /c copy <cr>
```

Note that using the **/c** option will close the MS-DOS window as soon as the command is completed.

DART 93 - Report running processes

DART 93 detects and logs on demand all the processes running on one of the systems on the local network.

DART 100 - File Distribution and Retrieval

DART 100 lets you retrieve and send any number of files, from anywhere on any system where the ReSOFT client is installed and running, to the e-mail box (es) identified in the **Email address group definitions** parameter in the DART's configuration page, or to the default e-mail address group as defined in the ReSOFT client initialization file.

Optionally, you can also select files to be retrieve based on their content matching one or more keywords contained in the **Keyword group definitions** parameter.

If the **Retrieve file by date** option is enabled, DART 100 will retrieve only files that match the files masks, and keywords, if any, and have a **Modified** date later than the date you set in the DARTs' configuration.

DART 100 is also a powerful, yet simple, file distribution tool. If you want to distribute one or more files, to one or more locations on one, some, or all systems at your site(s), all you need to do is use a location group instead of an e-mail group in the command line used by the DART.

You can easily and quickly define as many location groups as you like directly in the **File distribution. File location group definitions** on the DART 100 configuration page.

For each file retrieval and distribution operation, DART 100 generates one event log that summarizes the entire operation, listing all files retrieved based on the user defined criteria (Figure 1 below), and one event log for each individual file retrieval operation (Figure 2).

DART 156 – Sequential Scheduled Program Execution

DART 156 executes multiple command line(s) entered in the Executables window sequentially.

Alternatively if you want the executables to run at different times, you can also use Darts 212, 213, 214, and 215, which are exact copies of DART 89.

DART 156 executes the program entered in its configuration file on the schedule defined in the DART's schedule entry in its configuration file. You can enter just the executable name (ftp.exe) or a specified path (C:\download\internet\ftp.exe), and any combination of command line parameters allowed by the program you want to execute.

If the file name does not contain a directory path, the system searches for the executable file in the following sequence:

- The directory from which the application loaded
- The current directory for the parent process
- Windows 95/98: The Windows system directory using the GetSystemDirectory calls function to get the path of this directory.
- Windows NT/2000: The 32-bit Windows system directory using the GetSystemDirectory function to get the path of this directory. The name of this directory is System32
- Windows NT/2000: The 16-bit Windows system directory. There is no Win32 function that obtains the path of this directory, but it is searched. The name of this directory is System

- The Windows directory using the GetWindowsDirectory function to get the path of this directory
- The directories that are listed in the PATH environment variable

MS-DOS commands can be executed by DART 156 using the command.com executable. For example, if you wanted to copy some files using the **copy** command, you would type:

Command /c copy <cr>

Note that using the /c option will close the MS-DOS window as soon as the command is completed.

DART 157 – System Restore Point

DART 157 (System Restore Point) creates a system restore point by name “HFN Restore Point”.

DART 160 - Registry Management

DART 160 (Registry Management) executes the registry management actions you configure on the ReSOFT server via the registry management console (<https://ReSOFTservername/main/regmgmt/rmgt.php>). You can:

- Retrieve any portion of the registry from one, some, or all systems
- Add multiple registry keys to one, some, or all systems
- Change registry key content for multiple registry keys at the same time on one, some, or all systems
- Delete multiple registry keys simultaneously from one, some, or all systems. DART 160 can run on demand, or on a schedule.

For more information about the ReSOFT registry management function please consult the online help file found at:

How to >>> Registry management - <https://ReSOFTservername/main/howto/HFN%20ASIR%20registry%20management%20main%20help%20page.html>

DART 192 - Program execution control

DART 192 stops the execution of programs listed in the DART's configuration page. It has two modes of operation:

- Stop List (default)
- Run List

In **Stop List** mode, DART 192 will terminate the execution of any command line listed in its **Stop List**.

In **Run List** mode, DART 192 will only allow execution of programs listed in the **Run List** of commonly running programs and of programs entered manually by the user. The **Run List** of commonly running programs is created automatically from the list of processes running on the machine for which the DART is being configured.

DART 196 - Software Patch Application

DART 196 enables the automated application of software updates and patches on one, a subset, or all systems on the local network. This DART can be used to install software updated and patches from any vendor.

Patches and software updates applied by DART 196 can be located on a shared network resource, an FTP Server, or Web server using HTTP or secure HTTP (the FTP server and Web server could be located on the same system as the ReSOFT server).

Patches and software updates can be applied selectively based on a system's operating system.

DART 196 automatically tracks the patches and software updates applied to each system. This means that:

- You have a readily accessible trace of the history of patches and software updates applied to each system in your network, and
- You don't have to actively manage the list of patches to apply on a system-by-system basis as DART 196 will automatically ignore an attempt to re-apply a patch or software update to a system where it has already been installed, unless you want it to.

DART 207 - Content Distribution

DART 207 automates the distribution of content to all systems on a sub-net. By content distribution, we mean that this DART will automatically update one or more files on all systems on a sub-net to the latest version.

Latest version is determined by the latest Last Modified date of the files being distributed. DART 207 is designed to be easily extensible to base the determination of latest version on other parameters such as file version, file size, file creation date, and other file properties.

DART 207 leverages ReSOFT's peer-to-peer architecture to deliver a very powerful content distribution and file synchronization mechanism minimizing bandwidth consumption, and requiring minimal configuration. For example, DART 100 (File Distribution and Retrieval) can be used to place the latest version of a file on one system on a sub-net. Then, DART 207 can be used to update that file on all systems on the same sub-net eliminating the need to go outside the sub-net (except for one system), and minimizing bandwidth consumption.

DART 222 - Report File Attributes

DART 222 reports the attributes of files and directories that match the mask specified in the DART's configuration page. All the configuration settings for DART 222 can be changed including file mask, and locations to be scanned. DART 222 reports the following attributes of a file:

- File Name
- File Version
- File Size
- File Creation Date
- File Last Modified

DART 222 reports also folder properties. However, you should keep in mind that the only directory properties are Directory Name and Directory Creation Date.

DART 227 - Process and Service Shutdown-Restart

Overview

DART 227 lets you shut down, and optionally restart, any combination of processes and services on one, some, or all systems at a site.

The shutdown and restart operations can be performed on demand, or on a schedule making this DART a powerful remote system management tool.

How it works

DART 227's structure follows a pattern that ReSOFT users will find familiar.

First you define, separately, process groups and service groups. As the names of these configuration parameters suggest, they let you, respectively, group processes that you may want to shutdown and/or restart together. Because we support standard MS-DOS wild card characters, and the exclusion character, !, you have great flexibility in managing the shutdown/restart of processes and services on systems at a site.

Please refer to DART 227's configuration help file for detailed information on process and service group definition.

Next, you use the On-demand/Scheduled Shut down/Restart parameters (four in all) to define the lists of processes/services that you want to shutdown/restart on demand, or on a schedule. DART 227 lets you mix process and service groups in the shutdown/restart lists. You can also have the same process (es) and service(s) in different groups.

At this point, you set the schedule for the scheduled shutdown/restart operations and you are done.

DART 227 operations

DART 227 can have a **bimodal** mode of operation. It can be used to perform remotely and automatically the following functions:

- Scheduled shutdown. In this mode, DART 227 would be used, for example, to perform an orderly shutdown of all active applications before starting a regularly scheduled backup process. To use the DART this way, it is enabled, and the schedule is set up to run as desired.
- On-demand shutdown. In this mode, DART 227 would be used, for example, if a notification generated by the ReSOFT server, or other alert (or a phone call) informed an administrator that he/she needed to shut down certain process (es) and/or service(s) remotely. To use the DART to perform this action, it does not have

to be enabled. The administrator simply clicks on the Execute button to the right of the Shut down processes now label to shut down the process (es) and/or service(s).

- Other elements of DART 227's function that make it a reliable and versatile system management tool include:
 - When shutting down an executable, DART 227 saves the exact location of the executable and its command line parameters, so that it could be restarted in a state that is as close as possible to its pre-shutdown state.
 - DART 227 shuts down services in the order in which they appear in a service group entry. It will restart them in the reverse order. In this way, dependent services are shut down first and restarted last.
 - DART 227 will restart only one instance of each process it shut down, regardless of the number of instances that were running at the time. For example, if the DART shut down four copies of Microsoft Internet Explorer, it will restart only one.
 - DART 227 will restart only processes that were successfully shut down.
 - DART 227 lets you selectively restart processes that it shut down. For example, you can configure it to shut down *.exe but only restart foo.exe.

DART 236 - On-demand Remote Control

Overview

DART 236 extend remote system control capabilities in a number of significant ways:

- It lets users control computers remotely without end-user intervention. This makes it ideal for remote control of unattended systems, e.g. servers.
- All aspects of remote control operations can be performed on demand, individually and in combination. This means that you can use DART 236 to install/remove the remote control utility, initiate/terminate a remote control session, or both (install/initiate a session, shutdown/remove) at any time.
- DART 236 brings scalability to remote control. The installation/removal of remote control software on one, some, or all systems on a sub-net is completely automated and managed via a single DART configuration page.

You can also initiate remote control sessions on one, some or all systems on a subnet with the click of a button on one system.

- With DART 236 remote control sessions are more secure:
 - The remote control session is initiated as an outbound transaction by the system you want to work on. This means that there is no need to open any ports for inbound traffic, which would pose a significant security risk.
 - DART 236 can be configured to automatically remove the remote control utility as soon as a remote control session is completed
 - There are no servers outside of your control that are used as intermediaries
 - The remote control session is completely self-contained every aspect of it is under your control including the installation and removal of the remote control utility
 - DART 236 is designed to be used with any remote control utility. [Ultr@VNC](#) is the one initially supported both because it is popular, and it is open source

How it works

DART 236 performs four tasks:

- Installation and removal of the remote control utility (in the first version, VNC is the only supported remote control utility)
- Initiation and termination of a remote control session

Each task can be performed individually giving you flexibility on their sequence. For example, you could instruct DART 236 to install the remote control utility and begin a remote control session either immediately or at a different time. Depending on your choice, removal of the remote control utility can occur either right after a remote control session is over or at a later time.

You can perform both the installation and session initiation tasks in one step. You can also configure DART 236 to automatically remove the remote control utility as soon as the remote control session is completed.

When instructed to install the remote control utility, DART 236 downloads the software's installation executable from a URL of your choice. You can use an HTTP/HTTPS server, and FTP server, or shared network resource.

For your convenience, HandsFree Networks has placed the installation executable for [Ultr@VNC](#)at <http://www.handSFreenetworks.com/download/UltraVNC--100-RC11dSetup.exe>

DART 237 - Microsoft Update Management

Overview

DART 237 performs two sets of actions:

- It retrieves and applies the Microsoft update management actions and configuration changes you set up via the Microsoft update management facility on the ReSOFT server
- Manages and controls the native Microsoft Automated Update client

How it works

DART 237 runs when one of the following events occurs:

- When you click on the **Execute** button for any of the following actions in the DART 237 configuration page:
 - **Synchronize configuration with ReSOFT server now**
 - **Configure software updates now**
 - **Reset configuration now**
- When it is enabled.
- At its scheduled time

DART 241 - Contact Information

DART 241 lets you build a contact database for each of your sites. Either at installation time, or on-demand, you can ask a system's user to enter information that will make it easier to identify the system and its location, and contact the user in case of need.

DART 241 is persistent. You have complete control over its execution cycle. You can configure both the amount of time the dialog box asking an end-user for information is displayed on the screen, and the interval between requests for information, when the end-user cancels the request, or no action is taken on the dialog box.

The fields in the contact database built by DART 241 include some or all of the following:

- First name
- Last name

- Title
- Company
- Address
- City
- State
- Zip
- Country
- First phone
- Second phone
- Fax
- E-mail
- Cell phone
- Custom value 1
- Custom value 2
- Custom value 3
- Custom value 4

DART 252 – Log file Retrieval and Logging

DART 252 is used for reading the log files stored in any of the locations in the local drives and writing the file contents to DART 252's events.

This DART can be executed on a schedule or on demand.

DART 260 – Sequential DART - I

This DART will take the list of DARTS which needs to run in sequential way with the message to be displayed with each of them.

Below is the syntax that needs to be followed:

- DART number

For instance,

251
252
253
254

DART 261 – Sequential DART - II

This DART will take the list of DARTS which needs to run in sequential way with the message to be displayed with each of them.

Below is the syntax that needs to be followed:

➔ DART number

For instance,

251
252
253
254

DART 262– Sequential DART - III

This DART will take the list of DARTS which needs to run in sequential way with the message to be displayed with each of them.

Below is the syntax that needs to be followed:

➔ DART number

For instance,

251
252
253
254

DART 282– Windows Security Management

This DART is used to turn on / off Windows Firewall.

DART 283– Windows TroubShooter Management (Windows 7 & Vista)

This DART runs various diagnostic steps in Windows 7 / Vista OS machines:

- Aero Diagnostic
- Network Diagnostics
- Device Diagnostic
- Home Group Diagnostic
- Network Diagnostics Inbound
- Network Diagnostics Web
- IE Diagnostic
- IE Security Diagnostic
- Network Diagnostics Network Adapter
- Performance Diagnostic
- Audio Playback Diagnostic
- Power Diagnostic
- PCW Diagnostic
- Printer Diagnostic
- Audio Recording Diagnostic
- Search Diagnostic
- Network Diagnostics File Share
- Maintenance Diagnostic
- Windows Media Player DVD Diagnostic
- Windows Media Player Library Diagnostic
- Windows Media Player Configuration Diagnostic
- Windows Update Diagnostic

DART 284– Windows Fix-It Management (Windows XP)

This DART runs the following fixit in Windows XP OS machines:

- Aero
- Audio Play back
- Audio Recording
- Codec
- Devices
- DVD
- Home group
- IE Add-on
- IE Performance
- Maintenance
- MSN Client
- Performance
- Pictures
- Power
- Printing
- Setup TV Tuner
- Time Zones
- Windows Firewall
- Windows Update
- Windows file Folder
- Windows Security

To learn more about HandsFree Networks and our solution, visit www.handsfreenetworks.com, send us an e-mail or call



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