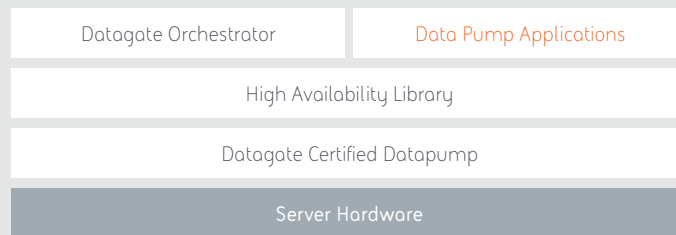


# Cross Domain Solutions File Transfer Application

## Unrivalled Security

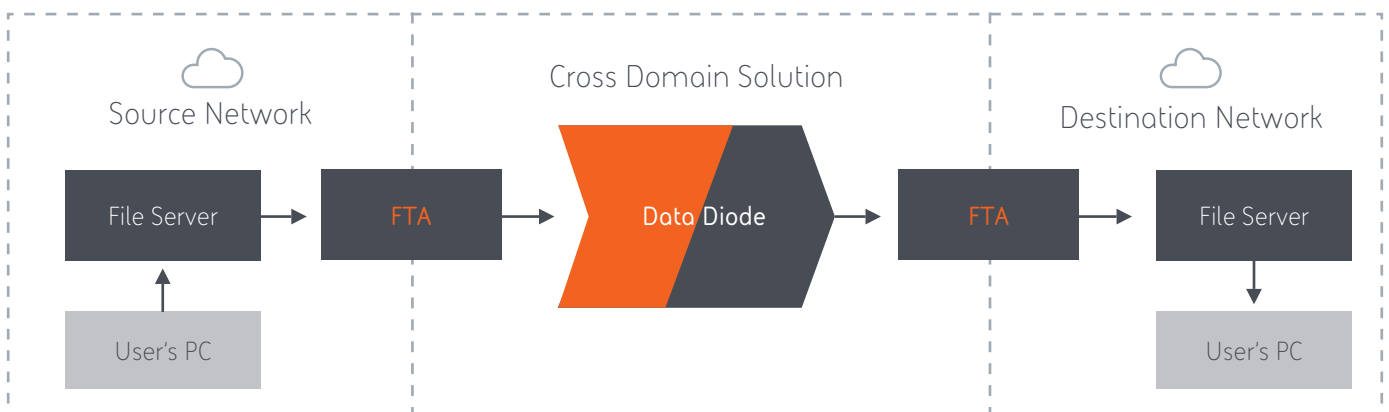
### What is a File Transfer Application?

The File Transfer Application (FTA) is one of the Data Pump Application software components. It enables automated one-way transfer of files from one network to another, via the BAE Systems Data Diode device. The FTA allows rapid transfer of files, without the need to dispose of single-use physical media that could be subject to contamination. The FTA can be used for a wide variety of applications, such as transferring software updates, or moving files downloaded from the Internet to an isolated network. The inspection of file content for malware and other threat vectors can be achieved by integrating the FTA with the BAE Systems Datagate Orchestrator.



### How does it work?

The FTA monitors one or more directories on the source domain. Whenever the FTA detects a change to the contents of these directories (e.g. a new file appears or an existing file is modified), the updated files are transferred to the destination domain via the BAE Systems Data Diode. The receiving FTA on the destination domain then places these files into the configured destination directory, where they become available for access on the destination network.



## Key features

- Supports multiple concurrent file transfers from different local or remote source directories. Each source directory can be configured with a different destination directory on the receiving domain.
- Replicate Mode: Copies every new or recently modified file from the source network to the destination network, maintaining the original source file.
- Transfer Mode: Transfers every file from the source network to the destination network without maintaining a copy on the source network.
- Mirror Mode: Copies the entire directory from the source network to the destination network at a set interval, regardless of whether any files have changed.
- Archive Mode: Maintains an archive on the source network of all files transferred across the Data Diode.

## Technical Specifications

Filesystems	Local filesystem support (e.g. XFS, EXT4) Network filesystem support (e.g. NFS, CIFS)
File Size	Up to 4TB
Bandwidth	Up to 10Gbps (depending on the type of BAE Systems Data Diode device being used)*
File Rate	Up to 2000 files per second *
Configuration	<ul style="list-style-type: none"><li>– Console-based Configuration Client</li><li>– Web Configuration Client (Optional)</li></ul>
Auditing & Monitoring	<ul style="list-style-type: none"><li>– Log files</li><li>– Syslog</li><li>– SNMP traps (v1 &amp; v3)</li><li>– Web Configuration Client (Optional)</li></ul>
Minimum Hardware	<ul style="list-style-type: none"><li>– 8-Core 2.9GHz</li><li>– 32GB RAM</li><li>– Fibre NIC (for connection to Data Diode)</li></ul>
Operating Systems	Red Hat Enterprise Linux 6 and 7

\* Performance metrics were obtained under ideal lab conditions and vary depending on the size and arrival rate of data, server hardware, and supporting network infrastructure.

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2486DT00165 Rev A

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