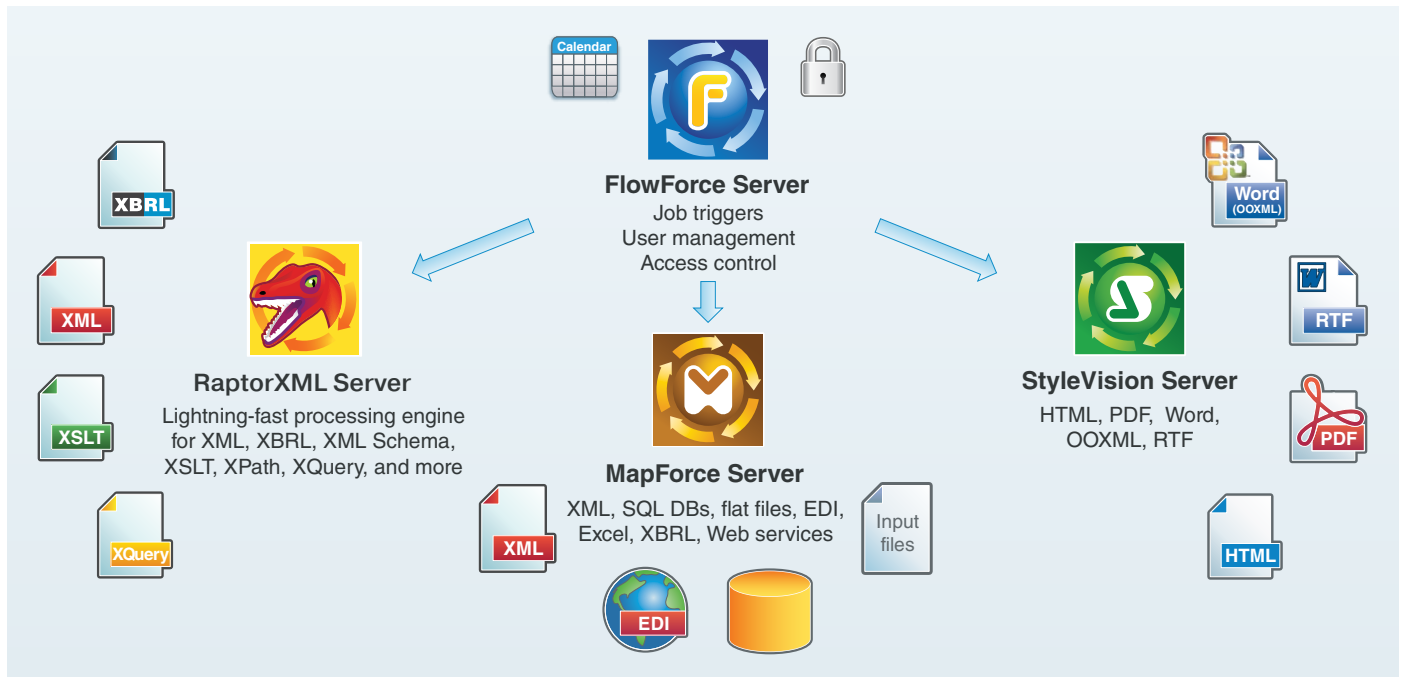


FlowForce® Server automates data transformations, report and document generation, and other tasks on high-performance multi-core servers, virtual machines, or workstations scaled for the scope of the project. Users define multi-step jobs triggered by date and time, detection of new input data, or by HTTP command. FlowForce Server empowers data architects, analysts, and other IT professionals to efficiently accomplish today's complex enterprise-level data integration, transformation, reporting, and validation tasks.



- Automates RaptorXML / RaptorXML+XBRL for XML, XSLT, and XBRL processing
- Automates execution of MapForce Server to perform data transformations
- Automates execution of StyleVision Server to render reports, documents, and e-forms
- Schedules, triggers, and automates any job on the server
- Activates job execution by time, file, or remote triggers
- Supports flow control with loops, conditions, result evaluation, and error handling
- Access control via roles, permissions, and privileges
- Configurable email notification for job steps or errors
- Detailed execution logging
- Intuitive Web interface to manage all server activities
- File system access and FTP read and write support

## Supported Platforms

### Hardware / CPUs

x86 and amd64 (x86-64)  
 instruction-set based cores:  
 Intel Core i5, i7, XEON E5

### Operating Systems

- Windows Server 2003, 2008 R2, Windows XP, 7, 8 or newer
- Linux (RedHat 6, CentOS 6, Debian 6, and Ubuntu 12.04 or newer)
- Mac OS X 10.7 or newer (64-bit only)



# FlowForce Server Data Transformation and Reporting Features

## Triggers

Define and execute triggers to start data transformation jobs based on time for one-time or repetitive execution, based on changes in a specific file or when a new file is created in a hot folder, or poll for changes on an HTTP server to trigger a job.

## Web Interface

Manage and monitor FlowForce Server locally or remotely via an intuitive Web interface displayed in any Web browser on any workstation on the network.

## Security

Security features allow multiple departments within an enterprise to share a physical server without

compromising data integrity. This promotes efficient use of today's multi-processor servers and workstations through automated resource allocation for peak loads and centralized system configuration and management.

## Built-in Operations

FlowForce Server includes built-in functions for common file system operations – copy, delete, move, etc., an FTP client, a mail function to send customizable event notifications, a command line shell, and more, to empower users to efficiently automate other server jobs and housekeeping steps associated with data transformation and reporting tasks.

## FlowForce Server and RaptorXML Server

Altova RaptorXML Server is a high-performance XML and XBRL server optimized for today's multi-CPU, multi-core computers and servers. RaptorXML Server and RaptorXML+XBRL Server can be defined as FlowForce Server job steps to validate XML, perform XQuery and XSLT operations, and validate XBRL instance documents and XBRL taxonomies.

## FlowForce Server and MapForce Server

Altova MapForce Server is based on the built-in data transformation engine developed for MapForce and performs data transformations for any combination of XML, database, flat file, EDI, Excel, XBRL, and/or Web service using preprocessed and optimized data mappings. When MapForce Server operates under the management of FlowForce Server, data mappings can be executed as FlowForce Server job steps. Parameters defined in the FlowForce Server job allow users to specify runtime input and output filenames or query databases as required by the mapping. MapForce Server also supports an API for execution by external applications.

## FlowForce Server and StyleVision Server

Altova StyleVision Server is based on the built-in report and document generation engine developed for StyleVision. StyleVision Server renders XML and/or XBRL data into HTML, RTF, PDF, or Microsoft Word files based on StyleVision stylesheets. A StyleVision stylesheet can be deployed to Altova FlowForce Server and executed by StyleVision Server as a job step to automate business report and document generation. StyleVision Server also includes an API for execution by external applications.

The screenshot displays the 'Triggers' configuration window. It includes a 'Check' section with a dropdown menu set to 'Content' and a text input field for 'of file or directory' containing 'C:\CameraGPS\hotFolder'. An 'enabled' checkbox is checked. The 'Run' section features a dropdown menu set to 'on days of week', a frequency of 'every 1 week(s)', and a 'Days of week' table with checkboxes for all days. The 'Repeat' section shows 'every 60 minutes from 08:00:00 to 20:00:00'. The 'Start' section shows a date of '2013-04-18'. The 'Expires' section has a plus sign. The 'Time zone' is set to 'America/New\_York'. At the bottom, there are three buttons: 'new Timer', 'new Filesystem trigger', and 'new HTTP trigger'.