Spotfire Statistica®

Statistica Server Administration

Version 14.3.0 | February 2025

Contents

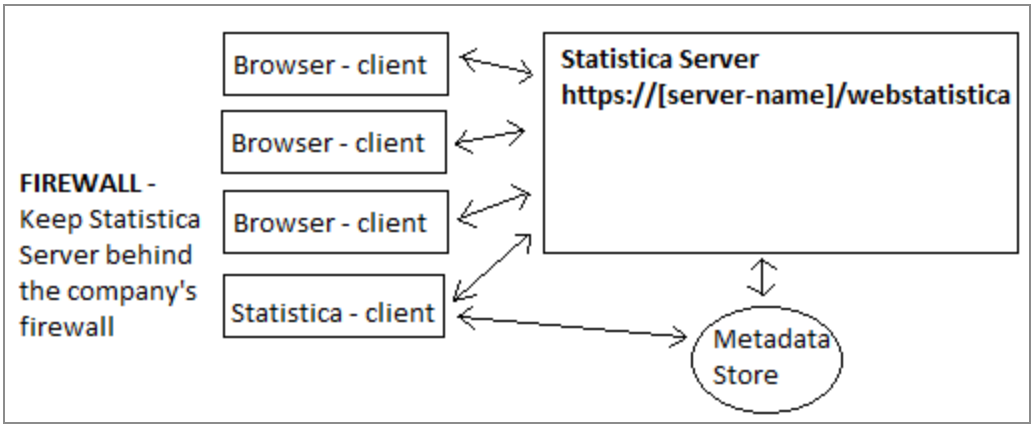
Introduction

Statistica Server (formerly known as WebStatistica) is a scalable analytic job server. You can log in using a browser and run packaged analytic jobs or review results (reports). You can also schedule the job runs. The following browsers are supported.

- Firefox
- Google Chrome
- Internet Explorer
- Microsoft Edge

Statistica users can author analytic jobs. For example, you can create a workspace and deploy (save) it to the metadata store. Statistica Server retrieves the workspace from the metadata store at execution time.

You can log in to Statistica Server and upload a large analytic task from Statistica and then execute it on the server. You can retrieve the results after the job is completed.

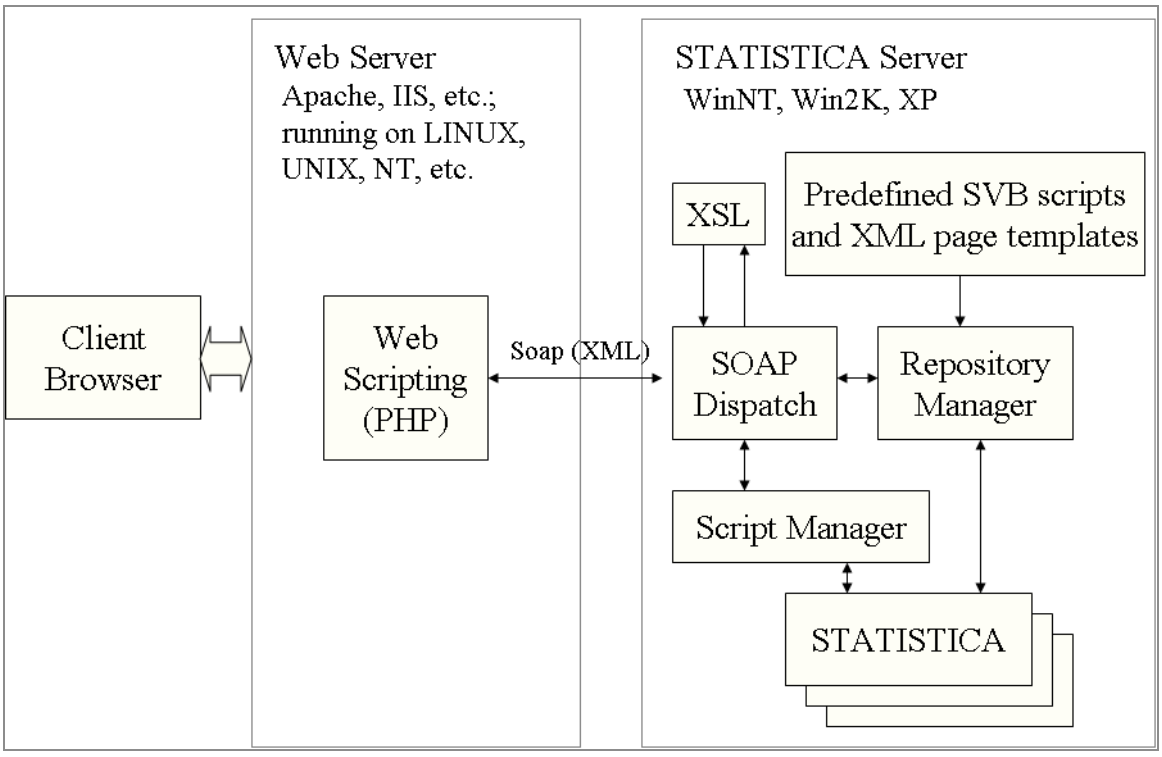


Architecture Overview

The Statistica Server system consists of two primary components.

- **Statistica Server**
  - Performs the analytical processing to run statistical analysis
  - Manages and returns results to the user
- **Web Server Support component - IIS**
  - Works with the Web Server
  - Connects the Web Server to the Statistica Server

Diagrammatic representation for the WebStatistica Server Architecture overview is as follows:



Web Server Support

The Web Server Support component uses the PHP scripting language to execute scripts on the Web Server. These scripts communicate to the Statistica Server through **TCP/IP** using the XML-based SOAP.

The **main.php** script processes every request that comes in from client browser. This script pre-processes the request, and then sends the information to the Statistica Server through the SOAP protocol.

PHP is widely supported on the most popular Web servers and operating systems and the web server support component is used with IIS.

Statistica Server

Statistica Server receives requests from IIS, processes them, and returns results to the user.

The main subcomponents of the system are as follows:

User Management

The User Management sub-component authenticates users, validates incoming requests, manages user permissions, and tracks licensing and session lifetimes.

Metadata store

The metadata store includes:

- User configuration information
- Workspaces (analytic workflows)
- Data Configurations (SQL to retrieve data)
- Stored analytical results

Statistica Script Manager

The Statistica Script Manager is the main component of the Statistica Server system. This executes Statistica Visual Basic (SVB) scripts or workspaces to either:

- Execute analytic job
- Validate parameter settings and variable selections for requested Statistica analytic or data management procedures

Specialized instances of Statistica execute these SVB scripts, which are optimized to work in the Web environment. The Statistica Script Manager:

- Can start as many different instances of Statistica as necessary to service incoming requests (limited by the number of processors purchased)
- Takes care of prioritizing and queuing incoming requests as necessary
- Handles running batch jobs

Transformation Manager

Statistica Server communicates using XML. Before it returns results to the user, it uses XSL (a standard XML-based language for defining XML data transformations) to convert them into HTML so that they are displayed as a web page.

Configuration

Web Server Component

The Web Server Component consists of these commonly used elements:

- Images
- PHP scripts
- Static HTML files

Statistica Server Component

Statistica Server Service

Installer automatically registers the Statistica Server service. It is initially configured to start automatically with the system. The `webstat.exe` executable file found in the Statistica Server installation directory implements the service.

Statistica Instances

When the Statistica Server Service is running, it starts sub-processes of Statistica to service requests to run analyses and scripting requests. These can be seen as `statcf.exe` in the task manager.

A request to run an analysis or user interface script is called a job.

There are two groups of Statistica instances.

- **Short-running queue:** Scripts that take a short period of time use this queue, which includes tasks such as generating a user interface (for example, the list of files the user sees after first logging in and when a user is selecting parameters for an analysis).

- **Long-running queue:** Jobs that might take a longer time to run use this queue, which includes most analysis.

Separating requests into the two queues ensures that UI operations, such as logging on or selecting analyses, respond more quickly when a backlog of analytical jobs is running.

> **Note:** A short-running job can use a long-running instance if the short-running queue is full.

Jobs are also classified as **interactive** or **batch**:

- An interactive job is one for which the user is waiting for the results to be returned immediately.
- A batch job is created when the user selects the **Run as Batch** checkbox when an analysis is started. Once the batch job is started, you can do other things until the batch job completes (the system can be configured to send an e-mail when the batch job completes).
- The minimum value specifies the number of Statistica instances that are always running, even if there are no pending requests. This process makes the system more responsive because it does not have to load an instance of Statistica to service each request.
- The maximum value controls the maximum number of Statistica instances that can be started when many requests come in. When the maximum number of instances of Statistica are in use, new requests are queued and serviced in the order they are received. The exception to this is a batch job, which is always a lower priority than an interactive job. Once there are no pending requests, the number of Statistica instances are lowered back to the minimum number after a period of time.

Set the minimum and maximum number to the same value. This setting ensures the fastest response, and also has the most predictable resource usage. In case the load gets heavier, setting the maximum number different than the minimum helps the system to dynamically adjust the number of Statistica instances.

You can set the long running minimum and maximum to twice the number of processors that are available, and to set the short running minimum and maximum to the number of processors.

Asynchronous Jobs

If an interactive job takes a long time, the browser and even the Web Server can time out. To avoid timing out, jobs become asynchronous after a configurable period of time. Asynchronous Job Status page is returned for a job that goes in asynchronous stage.

This page automatically refreshes and effectively polls for when the job completes. Additionally, the user has the choice to cancel the job or to cancel the job and resubmit it as a batch job.

Note: Polling for the job is very important. If the results of the job are not requested periodically, then it means that the user has navigated away from the Asynchronous Job Status page, and the job is deleted. This polling interval can be configured.

Batch Jobs

In addition to running an analysis and waiting for the results immediately, the Statistica Server system also supports submitting the jobs as a batch job, enabling the user to do other things (even log off) while the job runs.

To look at batch job results, the user displays the Batch Job List status page. The status (pending, running, completed) of all the batch jobs is displayed here, and you can examine results of completed jobs, cancel running or pending jobs, and delete results that are no longer needed.

E-mail Notification

Users can choose to be notified by email when their batch job completes. This e-mail message includes an HTML link that can be clicked to review the results of the batch job.

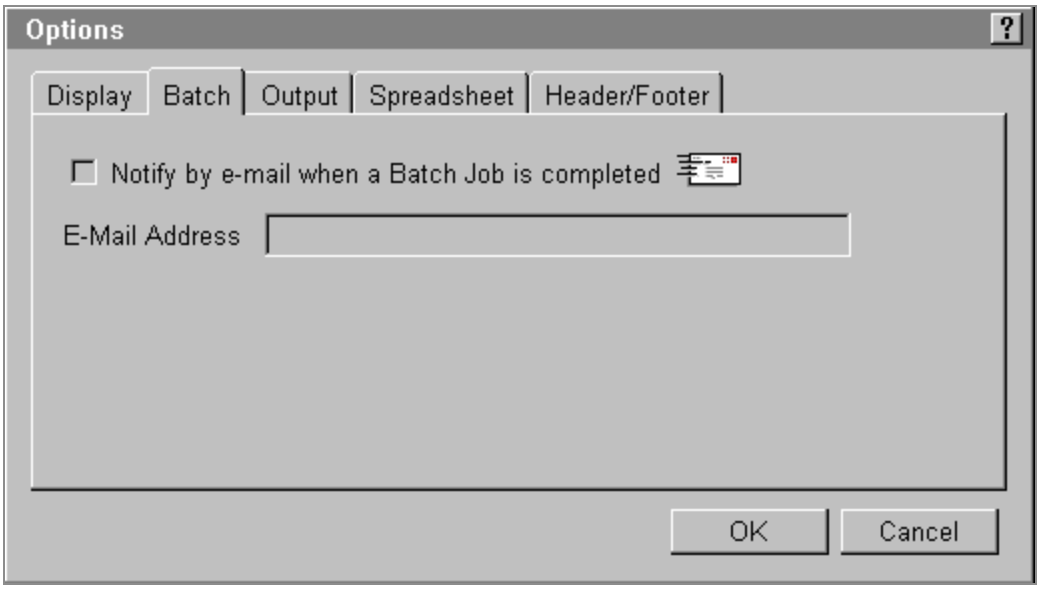
To enable this feature, you must configure a few Statistica Server metadata settings.

Settings	Description
smtphost	Set the metadata value to the URL that accepts mail messages (such as mail.mycompany.com).
smtpsender	Defines the sender of the e-mail message and e-mail address used if any user replies to the notification message.

Settings	Description
phphost	Contains the URL of the website that services Statistica Server, such as www.example.com. Statistica Server uses this URL when constructing the e-mail notification message.
User E-mail Addresses	Each user must specify the settings to enable their e-mail notification.

To enable e-mail notifications:

1. To display the options dialog, select **Tools > Options**.
2. On the **Batch** tab, select **Notify by e-mail when a Batch Job is completed** checkbox and enter the email address.
3. Click **OK**.



Metadata

The configurable Statistica Server system parameters reside in the **Windows Management Interface (WMI)** database, in the `root\CIMV2\Statistica Server` namespace.

The configurable parameters are contained in class named metadata, and are referred to as metadata throughout this document. These parameters can be changed either through a

WMI tool (such as Microsoft's CIM Studio or Statistica Server Administration tool), or through the Statistica Server Web interface from the **Tools > Admin Tools** menu.

The following metadata values can be changed by administrators. Unless indicated otherwise, changes to these values take affect dynamically, and do not require a restart of the Statistica Server. Other metadata settings that are used internally are not documented here.

Note: Do not change any metadata values not present on this list.

- **External Authentication**

  The following are the parameters for external authentication.

  ExternalAuthConfigurationName

  This is the name of the External Authentication configuration name and should match the **Name** field in **Statistica Enterprise Manager** under **System Options->External Authentications**.

  ExternalAuthPassword

  It is the password of `ExternalAuthUserName`.

  ExternalAuthUserName

  It is the Statistica Enterprise username.

- **Controlling Statistica Instances**

  The following parameters control how instances of Statistica are maintained.

  MinLL/MaxLL/MinSL/MaxSL

  These are the minimum and maximum number of Statistica instances for the long-running and short-running queue. Set the **Min** and **Max** to the same value for each job queue. Set the long-running minimum and maximum to twice the number of processors that are available, and to set the short-running minimum and maximum to the number of processors.

  PoolMaintPeriodLL/PoolMaintPeriodSL

  The Pool Maintenance Period is the time interval, in minutes, for checking to see if the pool of Statistica instances must be raised or lowered.

  Long-running and short-running job queues have different settings. It takes up to this time period before any change you make to the Metadata values is reflected in the

number of Statistica instances.

- **Controlling Jobs**

  The following parameters control how jobs are maintained.

  AsynchronousTimeoutLL/AsynchronousTimeoutSL

  These values control the amount of time, in seconds, before an interactive job becomes asynchronous and returns an **Asynchronous Job Status** page to the user, at which time, periodically polling for completion of the interactive job begins.

  This value must be less than the Browser time out value, usually less than 60 seconds.

  - Setting the value lower lessens the load on the Web Server by freeing up instances of PHP that are waiting for responses more quickly.
  - Setting the value lower also causes the user to be presented with the **Asynchronous Job Status** page and be polled for their interactive job results sooner.
  - PageRefreshTime: This is the time period, in seconds, that the **Asynchronous Job Status** page automatically polls for completion of the interactive asynchronous job. If the results are not requested for three of these time intervals, then the system determines that the user has browsed off to another page, and the interactive job is automatically canceled.
  - You can see the asynchronous jobs quickly, if the value Setting this value lower enables users to see the asynchronous jobs more quickly.
  - Setting this value lower also places more of a load on the system.

  RefreshInterval_JobList

  This is the refresh rate, in seconds, of **Job List** and **Administrator Batch Job Status** pages.

  These pages are updated periodically if you enable the **AutoRefresh** checkbox (the checkbox near **Refresh** button at the bottom of the page).

  JCGCPeriod

  This is the time period, in seconds, that the job completion garbage collection thread runs. This thread is responsible for deleting completed jobs, and starting new jobs that might be in queue.

- **Log On and Session Management**

  defaultdomainname

  When logging on to the system, users specify their domain names before their usernames.

  Example: If the domain is `MYDOMAIN`, and the username is `MYNAME`, then the user would have to log in as `MYDOMAIN\MYNAME`. This setting provides a default domain to use so that the domain name need not be entered.

  The system checks first to see if there is a local user whose username and password match before applying the default domain name.

  You can override the default domain name and specify a user on the local machine by specifying `.\` before the username, such as `\MYLOCALNAME`.

  Timeout

  This is the time, in minutes, before inactive users are logged off.

  - Whenever users are working with Statistica Server, the Statistica Server Web pages periodically send requests to update the user's active status to the system.
  - If the user browses to another Web page, or closes the browser without logging off, then these messages stop.
  - The hanging session is logged off after this amount of time.
  - Users who are no longer using Statistica Server but have not logged off, continue to take up licenses until this timeout period expires.

  Period

  This is the time period, in minutes, between checks to see if any inactive users need to be logged off.

- **E-mail Notifications**

  phphost

  This setting contains the Web address (URL) of the Web Server servicing Statistica Server, such as www.mycompany.com. It is used by Statistica Server when creating the link inside the batch job notification e-mail.

  smtphost

  This setting contains the machine name or IP address of an SMTP server on the local

network that can receive e-mail requests, such as mail.mycompany.com.

smtpsender

This setting is the name that is used for the **From:** header in the e-mail that is sent out.

- **General System Parameters**

  MaxRequestThreads

  This parameter defines the maximum number of threads that are started to handle simultaneous incoming requests.

  - Any requests coming in after this level are queued at the socket level and timeout if a thread does not free up before this time.
  - These threads are used for all incoming requests, which include running jobs and getting graphs and other results from the repository.
  - Set this to at least twice the maximum number of Statistica instances.

  STCFGarbageCollectionInterval

  This parameter is the amount of time, in minutes, between garbage collection cycles of the Statistica instances.

  - During garbage collection, the instance of Statistica is shut down and another started.
  - This value is not dynamic, so the Statistica Server Service must be restarted for it to take effect.

  RootDir

  This parameter defines where the Repository Root is located on the local file system.

  - This value is not dynamic, and takes affect the next time the Statistica Server service is started.
  - The value is set automatically to the directory path you specified when Statistica Server was installed.
  - Be very careful if changing this value. If the Repository Root directory is incorrect, Statistica Server is not able to find the scripts to run, including the script with which you can change the Repository Root. If that happens, the only recourse is to use a tool outside of Statistica Server to change the setting (like Microsoft's CIM Studio) or to reinstall Statistica Server.

TCPIPPort

This parameter defines the **TCP/IP** port that the Web Server Component uses to communicate with Statistica Server.

- This value must match the setting specified in the Web Server's `CONFIG.PGP` file.
- This value is not dynamic, and takes affect the next time the Statistica Server service is started.

RestrictSOAPClientIP

This parameter restricts which machines the Statistica Server accept requests from.

- By default, this parameter is empty, and any machine can make requests of the Statistica Server.
- The value can be a comma-delimited list of IP addresses or masked values.

IP Address	Description
192.168.3.129	This only gives access to SOAP client requests from the web server at 192.168.3.129
192.168.3.0/24	Access from 192.168.3.* (24 bits of significance)
192.168.3.0:255.255.255.0	Same as above
192.168.3.127,192.168.3.131	Access from both IP addresses

User Parameters

Settings are kept for each individual user who accesses the system.

They contain specific information for that user, including:

- E-mail address
- List of recently used files
- Any customized menus

These settings are controlled at the global level by the **Master configuration** file, which defines default settings for users and determines whether the users can see or write to a specific setting.

- **Master Configuration File**

  The Master configuration file is `_SWSGlobalOptions.xml`, located in the **Settings** subdirectory of the **Repository** root directory. This file contains the XML that defines all the global settings used by the system.

  The easiest way to edit these options is from within Statistica Server:

  1. When logged on with Statistica Server administrator permissions, access the **Tools > Administrator Tools** – menu.
  2. Select **Global** Options. You can see the complete set of options, along with what the default is for all users:
     - The Min or Max value can be entered, if the parameter value is numeric.
     - The Read Only flag controls whether the user can see the option.
     - The Hidden flag controls whether the user can see this option in his or her **Settings** page.
  3. Click the**?** button to display the Help page that describes these options.

- **User Configuration File**

  Individual users have their own configuration files located in the **Settings** subdirectory of the **Repository** Root directory.

  - Each is named with the same name as the user.
  - If the user logs in through a domain account, then the domain name is prepended within parenthesis before the username.

Defining Statistica Server Users

The user must be either locally defined on that machine or be a member of the same domain the Statistica Server belongs to or has a trust relationship with.

In addition to requiring a valid network user, Statistica Server users must belong to one or more local groups that are created when Statistica Server is installed. These groups are used to grant Statistica Server functionality to specific users. These local groups are created during installation, and are defined as follows.

Local Groups	Description
SWS_USER	You must belong to this group in order to log on to the Statistica Server system.
SWS_ADMIN	You can access the Administrator features of Statistica Server. These features include the ability to access the Administrator Tools from the Web user interface, and also the ability to see and manage all user directories.
SWS_BATCHABLE	You must belong to this group in order to submit batch jobs.
SWS_DOWNLOAD	You must belong to this group in order to download Statistica data files and graphs from the Web Server via the Get Object links.
SWS_UPLOADDATA	You must belong to this group in order to upload data from client machine to the Statistica Server .
SWS_UPLOADSCRIPT	You must belong to this group in order to upload Statistica Visual Basic (SVB) script files. **Note:** This is an extremely powerful option to assign, and must only be given to trusted users. User can upload any SVB script and then execute the script from the server.
SWS_PORTAL	You are licensed as a Knowledge Portal user, if you are a member of this group. On accessing the Statistica Server, these users are directed to a simplified interface where they can view output pages published to the Portal directory in the Repository Root. If you are a member of **SWS_PORTAL** and **SWS_ADMIN**, the **SWS_ADMIN** permission has priority, and they always have access to the entire Statistica Server interface and are not treated as a Knowledge Portal user.
SWS_PORTALINTERACTIVE	If you are a member of this group they are licensed as an Interactive Knowledge Portal user. If you are a member of both **SWS_PORTALINTERACTIVE** and **SWS_ADMIN**, the **SWS_ADMIN** permission has priority, and they always

Local Groups	Description
	have access to the entire Statistica Server interface and are not treated as a Knowledge Portal user. This permission is called **SWS_OUTPUTPORTAL**. When upgrading the WebStatistica Server , this group is renamed to **SWS_ PORTALINTERACTIVE**.

Repository

The Repository is the main data store used in Statistica Server . It consists of the following components:

- User data
- Configuration files
- Results pages
- Analysis
- User interface script files
- Other kinds of information

Executable files

Statistica Server consists of two sets of executable files. The first is for Statistica Server, and the second is for the special version of Statistica that Statistica Server uses.

Statistica Server

You are prompted for the location of the Statistica Server executable files during installation. By default, this is `Program Files\Statistica\WebSTATISTICA\Application`.

This is the location of the `webstat.exe` executable, the service that runs Statistica Server.

Statistica

The Statistica executable files are stored into a different directory than the Statistica Server executable files. By default, they are in `Program Files\Statistica\Statistica x`.

These files are the analytical core of the Statistica system. The Statistica Server installation also includes the Statistica executable file, STATIST.EXE. You can launch this file to run Statistica interactively on the server.

Note: Statistica Server always installs the concurrently licensed version of Statistica, so running Statistica interactively takes up a concurrent license of the program.

Running the Statistica Concurrent Network

In addition to accessing Statistica functionality over the Web through Statistica Server, you can also enable interactive access to Statistica on the individual user desktops.

Procedure

1. First set up a network file share on the server to the Statistica installation directory. By default, this is `C:\Program Files\Statistica\Statistica x`.
2. Restrict the permissions on this share to those users who are using the Interactive Concurrent version.
3. Set this file share to read and write access.
4. Set the Statistica installation directory to read-only permissions.
5. Set the **SDATA** subdirectory, which contains the concurrent license file, to read and write permissions.

   Once this share is created, the network clients can run the concurrent client install program, located in the **SETUPWRK** subdirectory of the Statistica installation directory. This registers needed components and sets up the necessary configuration information to where the license file is stored.

Sharing Files between Statistica Server and the Concurrent Network Version

The `RepositoryRoot\FILES\SHARED` directory is ideal for exchanging information between Statistica Server and the desktop version of Statistica.

You can create another network file share on this directory, restricting the permissions to those users who need to exchange information with Statistica Server. Now interactive users of Statistica can save data sources and Data Miner project files into this network share, and it can be seen from the Statistica Server users. Also, Statistica Server users can save files in this directory using the /Shared URI, and Interactive users can see their changes.

Note: Only enable sharing on the **SHARED** directory, and no other directory within the Repository Root file structure.

- Access to SVB Script files needs to be carefully controlled to ensure that malicious users do not create detrimental script files that can be run within Statistica Server.
- The Statistica Server Script Manager ensures that Script files are never run from the **SHARED** directory. However, if you have access to other Repository Root directories, then this safeguard can be bypassed.

Integrated Login

If the web server is running IIS, you can optionally enable integrated login. When integrated login is configured, an attempt is made to use the credentials of currently logged-in Windows user to access the Statistica Server) without the need to manually enter this information. If that user is not found to be a valid Statistica Server user, the login dialog is shown.

In order to enable integrated login you need to modify `config.php`, which is located in your Statistica Server web directory (`c:\inetpub\wwwroot\webstatistica by default`). Modify the line that defines the variable `$IntegratedLogin:` its value has to be changed from **no** to **yes**.

```
$IntegratedLogin = 'yes'; // edit value in single quotes (either 'yes'
or 'no')
```

You can easily bypass integrated login by explicitly using the login page at: http://[URL to Statistica Server]/login.html.

If you are experiencing problems with integrated login, please make sure that the following settings of your IIS server are in effect:

- verify that your Statistica Server virtual folder has an **ISAPI** virtual subfolder;
- Statistica Server virtual folder must have both Anonymous and Integrated authentication methods enabled;
- **ISAPI** virtual subfolder must have only Integrated authentication enabled;
- **ISAPI** virtual subfolder's Application settings: Execute permissions must be set to Scripts and Executables, and the application mapping for this folder must map DLL extension to [Statistica Server web files]`/ISAPI/StaISAPI.dll`, (this file must have been placed here by the installer).

Logging and Testing

Statistica Server logs significant system events and serious errors to Windows Event Log. It also has tracing capabilities that could be employed for auditing, diagnostics and troubleshooting.

Logs of User Activity

All access to Statistica Server can be logged (you can control this by changing the LogUserActivity metadata setting). The log files contain all logon and logoff events, and also the records of script execution.

These log files are kept in the Windows system directory, under the path `System32\Logfiles\WebStatistica`. You can see log files kept on a daily basis, named **swYYMMDD.log**, where **YY**, **MM**, and **DD** are the current two digit year, month, and day.

Windows Event Log and Trace File

You can use additional logging to obtain detailed information about low level functioning of Statistica Server, or even trace every function call. Such data can be valuable for troubleshooting problems with `Statistica Server/WebSEWSS`. In such situations Statistica technical support representative might ask you to enable logging and reproduce the behavior/use case that is causing the problem, and then send the log file to Statistica.

This functionality is controlled by the following metadata settings.

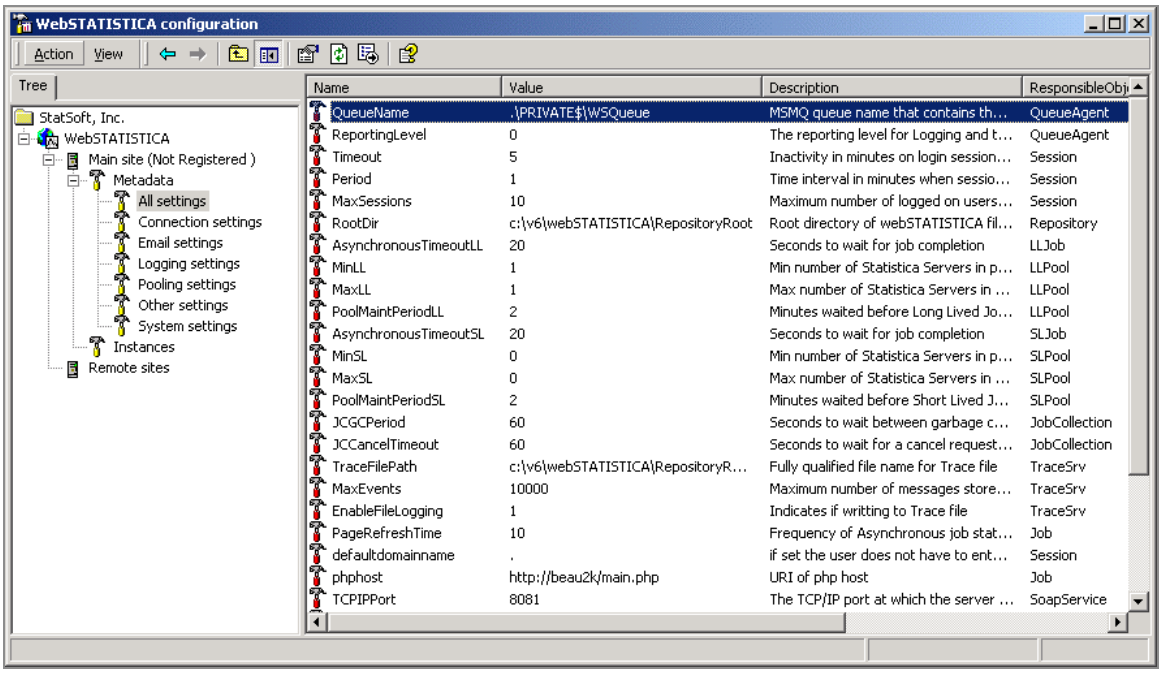
Metadata settings	Description
ReportingLevel	This value is an array of bit flags that specify how detailed the logging must be: 0 = None; +1 = Errors; +2 = Debug; +4 = Informational; +8 = Trace every function call; higher order bits limit tracing to certain Statistica Server modules; set reporting level to 15 in order to get all available information.
LogToEventLog	Specifies if the information filtered by reporting level is output to Windows Event Log (event log named **StatSoft**).
LogToFile	Specifies if the information filtered by reporting level is output to the file (in XML format). Name of the file is taken from the metadata setting.
TraceFilePath	It is possible to feed the tracing output into Microsoft Message Queue. To do this, enable **LogToMSMQ** and specify the name of **MSMQ** queue by setting **MSMQ_Name**. **MSMQ_Capacity** limits the amount of messages that the queue can hold to the specified value.

Changes to ReportingLevel take effect immediately, but the rest of these metadata settings requires Statistica Server restart.

Tools

Statistica Server MMC Snap-In

The Statistica Server MMC Snap-In is a general purpose tool for administrating your server. In the **Start** Menu you can find the entry **Programs- > WebStatistica > Administration**. You can **Start** and **Stop** the Statistica Server service. You can edit all of the Metadata settings from this interface as well. There is also an Instances node where you can view detailed information pertaining to the Statistica instances and the job requests they have serviced.



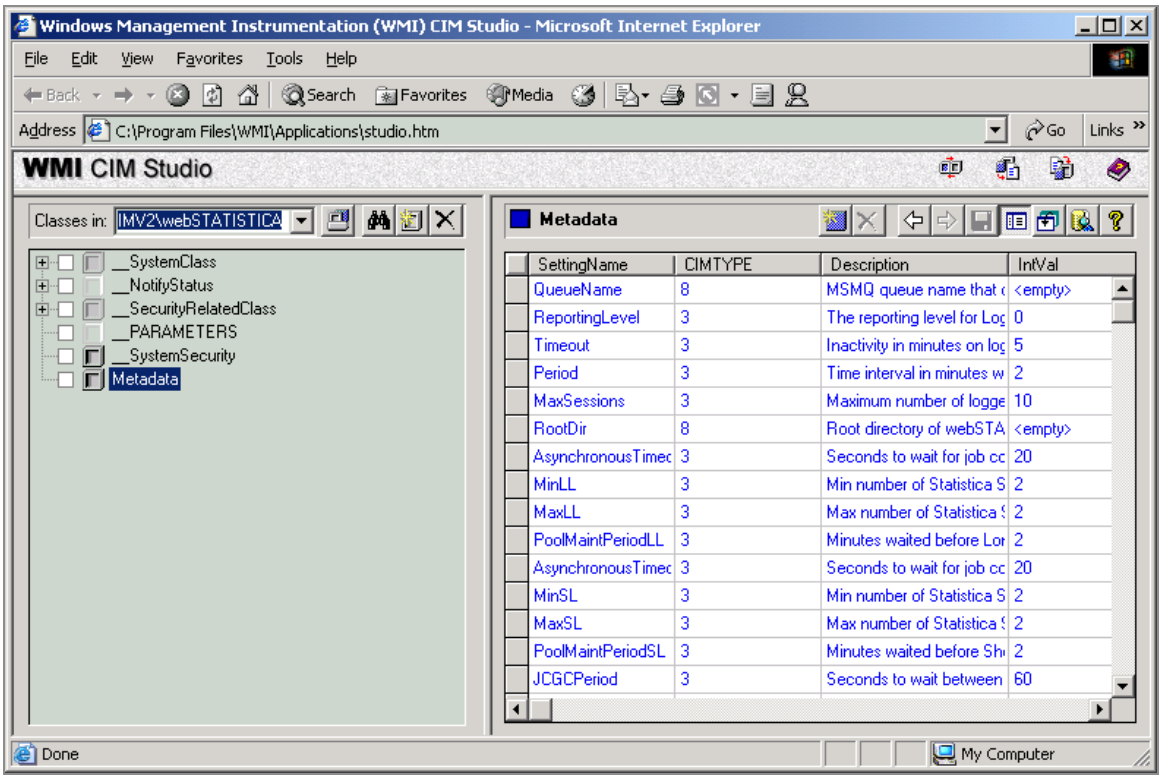
Net Admin

The **NetAdmin** tools are located on the server in the **SDATA** subdirectory of the Statistica installation directory. This tool is used to review who has logged on, both interactively and from Statistica Server and to review who is using which licenses of the software, and to delete sessions as needed.

If a Statistica Server or interactive user is using a deleted session, then that session is logged off during the next polling interval.

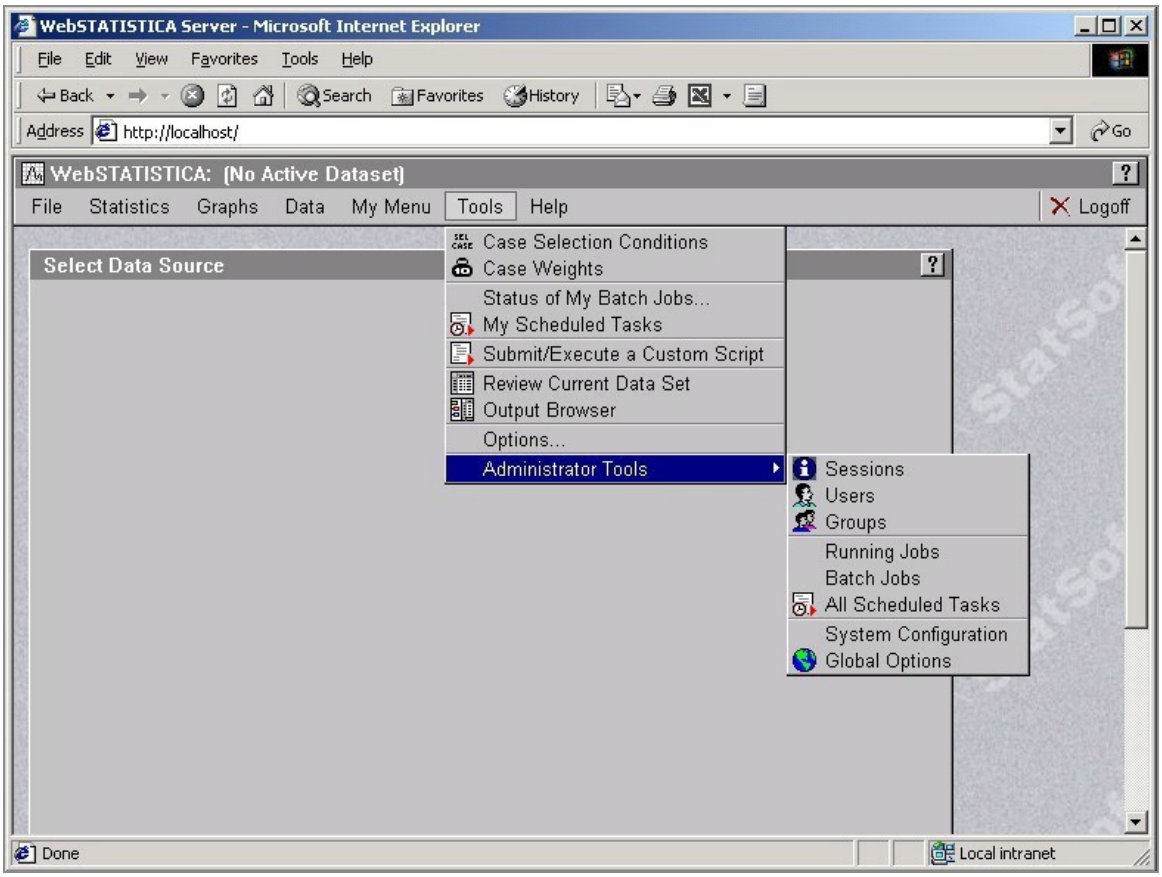
WMI CIM Studio

You can access the Metadata using this Microsoft tool. This package is part of the WMI SDK available from Microsoft, and gives you access to all the data within the WMI. The Statistica Server metadata is located in the `root\CIMV2\WebStatistica` namespace, under the class name Metadata.



Web-Based Tools

Statistica Server has several web-based tools for administration. Statistica Server administrators (for example, members of the **SWS_ADMIN** group), can access these tools from the **Tools > Administrator Tools** menu:



The available tools include Sessions, Users, Groups, Running Jobs, Batch Jobs, All Scheduled Tasks, System Configuration, and Global Options.

Sessions

This page lists all the currently logged on Statistica Server users, and includes what their current permission set is. Sessions can also be logged off from this page.

Options	Description
Users	Lists all the Statistica Server users, defined as all users on the Statistica Server (Server side) machine who belong to the **SWS_ USERS** group. Administrator can create and delete users and change password for existing user using this page. Additionally, you can enable or disable the permissions for various users, which is identical to adding and removing users from the local **SWS_*** groups.

Options	Description
Groups	Lists all of the Statistica Server user defined groups. These groups are local groups beginning with the prefix **SWSU_**. You can set group membership, rename groups and delete groups.
Running Jobs	Lists all currently pending, running, and completed jobs for all users. The display is organized by logged on user, delete the running jobs, and log off the entire session.
Batch Jobs	Gives a system wide view of batch jobs, sorted by username. You can view existing batch jobs and delete jobs.
All Scheduled Tasks	Gives a system wide view of scheduled tasks, sorted by username. Review , modify scheduling parameters and delete scheduled jobs using this page.
System Configuration	Display and sets the Metadata values. The options are categorized onto tabs, and the WMI field names and descriptions are displayed.
Global Options	Lists all the global options that are applied as defaults to the users. You can enter these default values, and also control if the user can change these values, or if they are completely hidden from the user. Any hidden values shows up on the user's Options page.

Accessing Network Resources

During installation, the Statistica Server service is configured to run on the local computer. For most installations, this is appropriate, but if you have resources on the network that require integrated authentication, such as database connections, you can reconfigure the user that the Statistica Server service runs as.

All scripts run on the server, run in the context of the account the Statistica Server service, is configured to run as. If a user has script access to the server they have the ability to write code that runs in the same context you have configured Statistica Server to run as.

Setup

The user that you run Statistica Server must have local Administrator access. This user also must have act as part of the operating system rights, which can be configured in the Local Security Policy shortcut under **Control Panel > Administrator Tools**. Once these conditions are met you can change the user assigned to the Statistica Server service from the **Log On** tab in the Properties dialog for this service.

You must configure the user that the Statistica instances run, as to match the user that the Statistica Server service has been changed to.

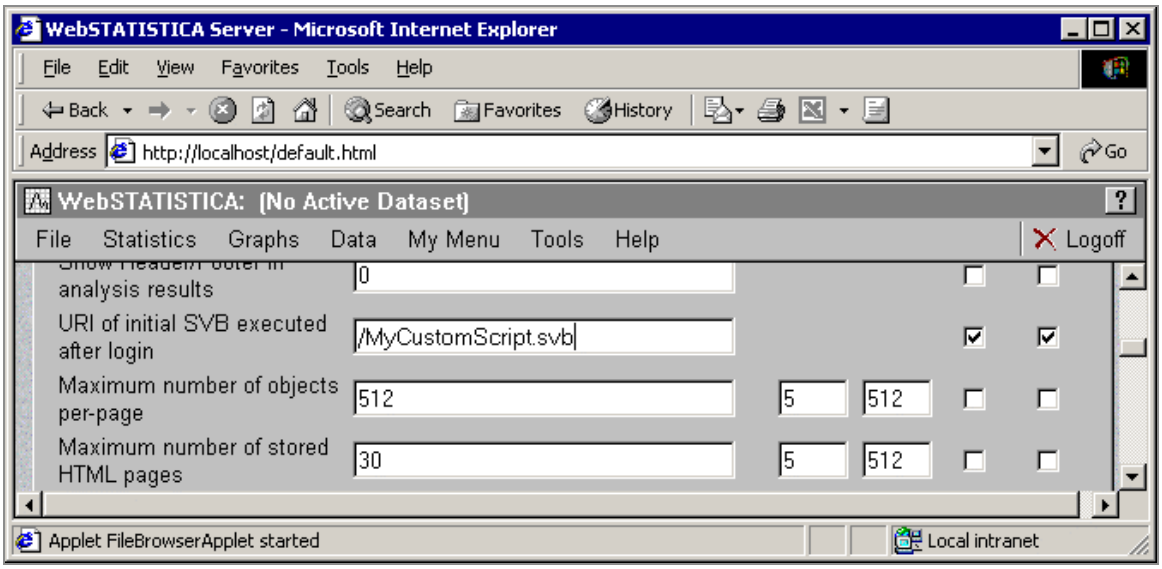
1. The first step is to run `dcomcnfg.exe`.
2. Start the program from the **Run** dialog . This program must be in your path.
3. Answer **No**, if you receive any DCOM Configuration Warning prompts.
4. Locate the entry **Statistica ServerCF** in the **Applications** tab.
5. Select this item, click the **Properties** button and select the **Identity** tab.
6. Select the option. Enter the appropriate login information to match which was configured for the Statistica Server service.
7. After these steps are completed, you must restart the Statistica Server service.

Statistica Server Customization

Initial Script

Statistica Server can be configured to execute a different script than the `/OpenData.svb` script that is loaded by default. You can modify this to point to a custom script. You can completely replace the out-of-the-box interface.

To change the initial script executed by Statistica Server access login to the system with a user that has SWS_ADMIN rights. Open the Global Options dialog, which is located in the menu under **Tools > Administrator Tools > Global Options**. You can find a setting listed as URI of initial SVB executed after login. You can modify this to point to the URI of a custom script that you have created.



CSS Files

Statistica Server makes use of Cascading Style Sheets (CSS) to control the appearance of the returned Web pages. End users can modify these files to control the font, type size, and other features of the user interface. The current CSS files are defined as follows:

Style Name	Description
swsButton.css	styles used for Buttons
swsList.css	styles used for List controls
swsMenu.css	styles used for Menus
swsSpreadsheet.css	styles used for Spreadsheets
swsTab.css	styles used for the Tab controls
SWS.css	general appearance parameters

Changing the Background Image

Changing the background is a common reason for modifying the **CSS** files. In your web root, open the file `SWS.css`. You can find a line similar to:

```
.SWSBackground {background-image : url
(images/statsoftbg.jpg);background-attachment : fixed;}
```

The background-image path referenced in this example, `images/statsoftbg.jpg`, can be replaced with the url to your company logo, or removed completely.

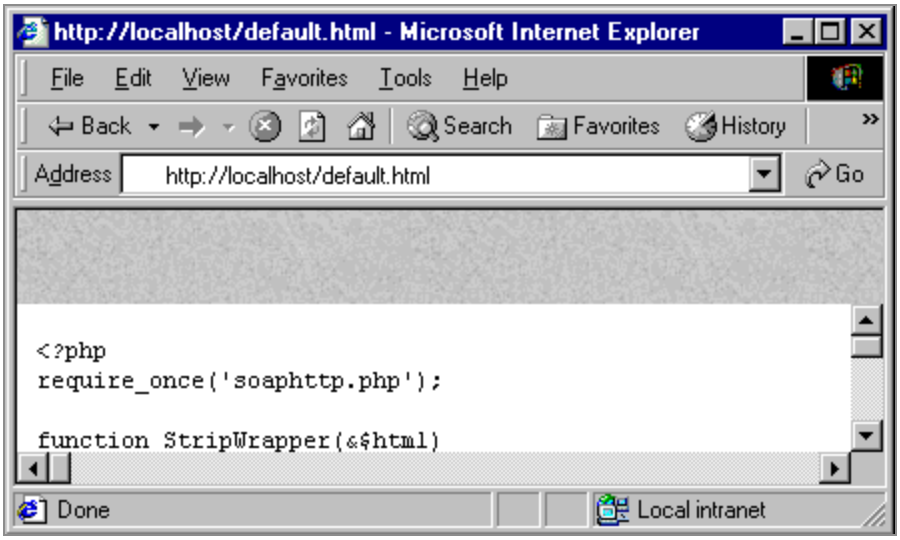
The definitive reference for CSS2 is available at http://www.w3.org/TR/REC-CSS2.

Troubleshooting

No Login dialog is displayed when Browsing to Server

- **Receiving text: <?php require_once('soaphttp.php');**

  When accessing a Statistica Server (Server side) with your browser, if you receive a page similar to the following image then your web server is not properly configured to run PHP scripts. For more information on configuring PHP, see the Web Server Component Configuration section.



- **Receiving message A connection to the Statistica Server (Server side) could not**

be established.

If your browser displays the message A connection to the Statistica Server (Server side) could not be established, refer the steps as follows :

- Verify that **SoapHost** and **SoapPort** settings in the `config.php` file are correctly configured. For more information, see the PHP Settings section.
- Verify that Statistica Server service is running.

Problems after Submitting Login Information

- **Only a gray bar is displayed**

  Statistica Server's default interface makes use of JavaScript to drive a large part of the user interface. Disable Active Scripting in Internet Explorer, this displays a blank page with a gray bar after the **login** button is clicked. Check your browser settings and make sure that JavaScript is enabled.

  A list of security settings that are suggested are enabled in Internet Explorer when accessing a default Statistica Server installation. All the settings are not mandatory. This depends on the way you configure the server.

  - Run ActiveX controls and plug-ins.
  - Script ActiveX controls marked safe for scripting.
  - Allow cookies that are stored on your computer.
  - Allow per-session cookies.
  - Submit non-encrypted form data.
  - Active Scripting.
  - Scripting of Java Applets.

- **Receiving message The username or password was invalid when trying to access a newly created account.**

  A common problem is to create a user account and leave the option **User must change password at next login** checked. This causes problems when accessing Statistica Server because the system does not prompt the user for a new password and instead considers the login information invalid.

  Also, if the user account used to access the Statistica Server (Server side) is only used for Statistica Server logins (and is not used to login to your network), it is

recommended that you check the option Password never expires. Otherwise, the user is not able to access the Statistica Server (Server side) when the password does expire.

- **Asynchronous Job Status page continuously displays**

  Receiving the Asynchronous Job Status page for jobs that run past a configurable timeout period is a feature of Statistica Server that prevents browser timeouts. On a new installation of Statistica Server if you receive this page after logging in and it does not go away, this indicates a problem with the ability to communicate with the Statistica instances that process job requests. To diagnose this problem, first temporarily disable any firewall and antivirus software on the server and restart the Statistica Server service as these products can cause conflicts. If this makes Statistica Server work, then please contact Statistica technical support who can work with you to configure the firewall and antivirus software to work with Statistica Server. If the problem still occurs, run the interactive version of Statistica on the server and create a new macro. Run the blank macro to verify the script runtime engine is working properly on the server.

- **Initial the Open File dialog is shown, but instead of a list of files only a gray box is displayed**

  This indicates that the Java Virtual Machine (JVM) is not installed on the client computer. Starting from Windows XP, Microsoft does not provide a JVM with the operating system. The Sun JVM can be downloaded free of charge from http://java.sun.com.

- **The upload function of the Spreadsheet Editor does not work/Data Miner displays “An error occurred executing the project”**

  This behavior can occur when the PHP temporary directory is set incorrectly. For more information, see the PHP Settings section.

- **The Statistica Server Spreadsheet Editor does not open**

  This behavior might be because a pop-up window stops the utility.

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