

# Setup - Server Configuration Parameters, TBL

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## Server Configuration

This first section contains the main systems-related settings for TBL (for persistence and other application settings, see [Setup - TBL Configuration Parameters](#)). Administrators can update the section via its **Edit** button and ensuring to click **Save Changes** when finished.

### Server Parameters

Parameter	Default	Description
<i>Server URL</i>		This URL should be the TBL web-application's own <i>context path</i> , <b>without</b> a trailing slash "/". It enables email notifications with "live" TBL-server links (back to the webapp) for governance events or for tasks. For example, for the TBL (Tomcat) server, it would be something like: <code>http://<b>serverhostname</b>/tbl</code>  For TopBraid Composer - Maestro Edition, it would be: <code>http://localhost/:8083</code>
<i>Show Hidden Files</i>	false	During data selection, show all the files that are present on each project.

### General Database Parameters

Parameter	Default	Description
<i>Max Connections per Database</i>	100	For each RDBMS (relational) or D2RQ database, the maximum number of active connections permitted.

### SWP Parameters

Parameter	Default	Description
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<i>Constraint violations block editing</i>	false	If true then the SWA edit forms will report those SPIN constraint violations marked as spin:Error or spin:Fatal as errors that cannot be OKed by the confirm dialog. By default (false), all SPIN constraint violations are non-Fatal are reported as warnings that the user can manually bypass.
<i>ui label function URI</i>		The URI of a SPARQL function that takes a resource as argument and returns a string representation. If set, this will be used whenever ui:label is called, making it possible to define custom label algorithms in a single place.
<i>ui:lib function is constant</i>	false	True to have ui:lib() always return the static value "lib".
<i>maximum number of table rows</i>	1000	The maximum number of rows to be displayed by (search results) table widgets

## LDAP Servers (Service Providers)

TBL can support multiple LDAP service providers (e.g., multiple Active Directory domains or LDAP servers). For each one, click the plus sign "+" to create a new LDAP stanza (parameter group).



Before applying any LDAP changes, please double-check all settings for accuracy. Inconsistencies with remote LDAP systems could result in the loss of TBL permissions, which could be especially problematic for administrators (i.e., users having roles with `AdministratorGrp` group privileges; see [Rights Management](#)). *Please verify before proceeding.* Losing administrator permissions would block access to Administration pages, including this one, thereby requiring external access to the TBL system environment to modify the configuration files directly.

## Configuration parameters

For each LDAP server, open **Server Configuration > Edit > Configuration parameters > "+"** and enter the following server parameters. To delete an LDAP server configuration, open **Edit** and click its "x".

Parameter	Default	Description
<i>Connection URL</i>		LDAP service provider's connection URL
<i>Username for server connection</i>		Username for connection login
<i>Password for server connection</i>		This appears only if other LDAP parameters are set, and it is set <i>after Save Changes</i> has completed.
<i>User pattern string</i>		Based on the <i>Tomcat JNDIRealm</i> (for LDAP), this is the <code>userSearch</code> and <code>userBase</code> (e.g., " <code>sAMAccountName={0},CN=Users,DC=sharepoint,DC=tqinc,DC=info</code> ")
<i>Role definition base</i>		<b>roleBase:</b> The base DN for role searches (e.g., " <code>OU=Roles,DC=sharepoint,DC=tqinc,DC=info</code> ")
<i>Role name identifier</i>		<b>roleName:</b> The name of the attribute that has the role-entry's name (e.g., " <code>cn</code> ")
<i>Role search string</i>		<b>roleSearch:</b> The LDAP search filter for selecting role entries (e.g., " <code>(member={0})</code> ")

<i>Membership search string</i> (OPTIONAL, Recommended)		For certain LDAPs (e.g., <i>Active Directory</i> ), this is the reverse of <i>roleSearch</i> , used to find role memberships for a given user (e.g., " <i>memberOf={0}</i> ").
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## SMTP Server Parameters

Parameter	Default	Description
<i>SMTP Authentication On</i>	false	Tells if smtp server requires authentication.
<i>SMTP Server</i>		Smtp Server to be used for sending emails in TopBraid Live.
<i>SMTP Server Port Number</i>	587	Port used by smtp Server.
<i>SSL Enabled</i>	false	If SSL for mail is on
<i>SMTP Username</i>		Username for authenticating on smtp server.
<i>SMTP Password</i>		This appears only if other SMTP parameters are set, and it is set <i>after Save Changes</i> has completed.

## Advanced Parameters

Parameter	Default	Description
<i>Allow Anonymous Access</i>	false	If no authentication scheme is used and this flag is true, anonymous access with READ and EXECUTE permission is allowed to the application.
<i>Enable SPARQL updates</i>	false	If true, then the SPARQL end point (servlet) will allow update requests.
<i>Timeout on SPARQL Endpoint</i>		If not set or 0, SPARQL endpoint has no timeout. Timeout is in milliseconds. If the timeout is reached, the system will throw a <code>CancelQueryException</code> to the user.
<i>Enable Fair Locks</i>	true	If true, then locks taken by TBL will use a first in first out queue, if false then order is less predictable.
<i>Longer Stack Traces</i>	false	Create longer stack traces, adding very large overhead. These are very useful for rapid resolution of certain types of problems. Set this parameter only if requested by TopQuadrant Customer Support.
<i>Fail With Error on Design Inconsistency</i>	false	When a possible software design inconsistency is detected, fail with an error.
Disable Lucene Indexing	false	Used for Search the EDG. If disabling is true, the indexing is off thereby using SPARQL search, and <i>the syntax of users' search queries changes</i> regarding the usage of explicit wildcard characters; see for <a href="#">User Interface - Overview: Lucene integration</a> details.
Lucene Index Interval	60 minutes	Sets a custom interval time for reindexing graph's included in the Search the EDG configuration, if Lucene is enabled. Will read this value as minutes. The minimum time is 30 minutes.

<i>Enable SPARQL Query Management</i>	false	Enable the query management functionality to monitor currently running queries in the system. See also: <a href="#">Component Monitoring &gt; Process Management</a> .
<i>Secure Storage encryption</i>	PBEWithSHA1andDESede	Optionally changes the encryption algorithm for storing passwords in the secure storage file. If changed, please use a <b>new secure storage file</b> and <b>restart the server</b> .
<i>Suppress Warnings of Possible Design Inconsistency</i>	true	When a possible software design inconsistency is detected, and the system is not configured to fail, then suppress the warnings. Setting this parameter to false will result in logged error message of any design inconsistencies.
<i>Temporary Graphs Time Out</i>	2	The length of time to wait before a temporary graph can be garbage collected (minutes).
<i>Use Saxon</i>	false	Use Saxon rather than Xalan for XSLT/XML processing.
<i>Verbose logging</i>	false	If true, then some operations will send additional info to the log. This may slow down the server a bit.
<i>Google Maps API Key</i>		To enable Google Maps viewing functions in TopBraid, obtain an API key (string) from Google and enter it here.

## URI mappings

Parameter	Default	Description
<i>Short Graph name</i>		A tuple consisting of a graph (URI) and a short name. Can be used to abbreviate graphs in servlet calls. For example the SPIN template servlet handles abbreviated names such as /tbl/template/swa/GetResourceValues/kennedys?... If you want to address the kennedys ontology with that URL, you need to add a short graph name that associates <a href="http://topbraid.org/examples/kennedys">http://topbraid.org/examples/kennedys</a> with the name "kennedys".

## User Interface Configuration

Some TopBraid TBL features support assigning language tags to string attribute values using a drop-down list when editing, for example:

### Argentina (ISO Country)

**Country Info**

iso 3166 2-alpha country code: AR

iso 3166 3-alpha country code: ARG

numeric code: 32

full name: +

- Repubblica argentina
- la República Argentina
- la République argentine
- the Argentine Republic
- Аргентинская Республика
- جمهورية الأرجنتين
- 阿根廷共和国

Language selection dropdown:

- ar
- de
- en
- es
- fr
- it** (selected)
- pt
- ru
- zh

To customize the list of available choices, go to the **Server Administration** page, then **Server Configuration Parameters**. The bottom of the Server Configuration Parameters screen has a space-delimited list where you can enter the language choices that will appear on TBL editing screens. Any codes can be entered, but the codes will interoperate better with other systems, such as Web browsers, if the ISO 639 language codes and, optionally, ISO 3166 country codes, are used. In the following, ISO codes for Spanish, English US English have been entered. These will be the only languages that appear in the language tag drop-down:

### User Interface Configuration

The custom languages setting must contain a space-separated list of ISO country codes such as "de en fr", overloading the default languages: "ar de en fr it es pt ru zh".

custom languages:

Be sure click Save Changes when finished.

## Download Configuration Files

Download general config graph	Click this link will download the current config.ttl from the system folder.
Downoad uiconfig graph	Click this link to download the current uiconfig.ui.ttl from the system folder.