

DoD Team Page

Configuration Notes

Traction Software

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DoD TeamPage Configuration Notes

This guide explains how to configure TeamPage 6 to comply with DoD security requirements, and the configuration options needed to configure it appropriately for running in that environment.

This document supplements the Installation and Configuration Guide (<https://teampage.tractionsoftware.com/traction/permalink/Doc351>).

For DoD deployments, TeamPage should be configured to run over HTTPS and connected via NTLMv2 to an Active Directory server. This way, the directory server's password requirements will be used, and users will benefit from single sign-on with their workstation login.

Instructions for configuring HTTPS are posted at <https://teampage.tractionsoftware.com/traction/permalink/Doc264>.

Instructions for connecting to Active Directory with NTLMv2 using the JESPA libraries are posted at <https://teampage.tractionsoftware.com/traction/space/jespaauth>. Please note that this link is normally available only to customers who have purchased the JESPA auth option. If you need to review this link in advance, please contact sales@tractionsoftware.com.

The notes below describe the configuration settings needed for testing specific issues in the Certification Document.

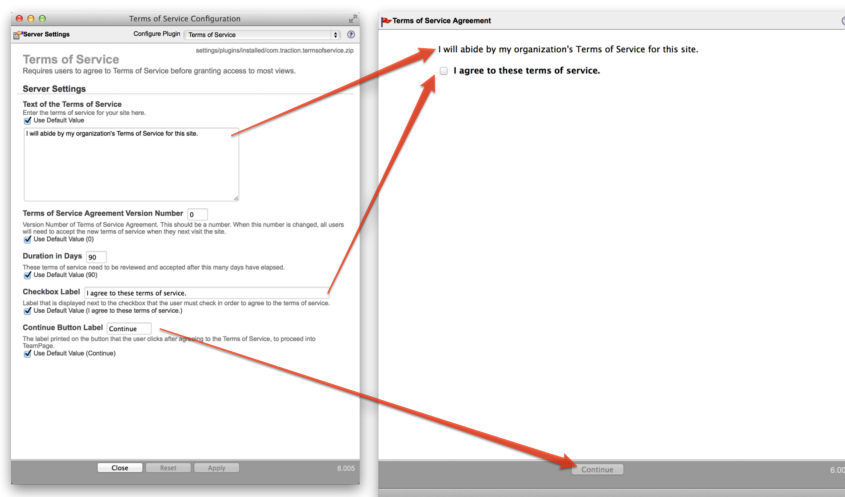
Displaying Terms of Service

2.4 The designer will ensure the application is capable of displaying a customizable click-through banner at logon which prevents further activity on the information system unless and until the user executes a positive action to manifest agreement by clicking on a box indicating "OK." (APP3440 CAT II)

This requirement is addressed via the Terms of Service plug-in, which you can download from <https://teampage.tractionsoftware.com/traction/permalink/Customer4532>.

To install and configure the plug-in, follow the instructions in that article.

Note that the Terms of Service plug-in *is* compatible with single sign-on solutions such as NTLM.



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Password Storage Compliance

3.4 The designer will ensure the application stores account passwords in an approved encrypted format.(APP334o CAT I)

Passwords for users are *not stored at all* when the system is configured to use single sign-on. This is the recommended configuration.

In the default out-of-the box configuration (often used for evaluation, or when single sign-on is not enabled), salted password hashes are stored in the Journal.db journal file. A typical entry looks like this:

```
admin:PHYyPjEwMDAwOjNjMWIyZGVjMTZkYjFmYWJmZjJlKNDYwMTM0YzU2NjAwYWEzN2IwODY2MmE5YmMxYjY2Y2Y2YmU0YmY4ZTFiZDdkMTM4MDdhZmRiMTBhYzRlZDBkMDEkNTI1MGZiMGNhNzc=:1:
```

This is base64 encoded. Decoded, the format is this:

```
<v2>10000:3c1b2dec16db1fabff9d460134c56600aa37b08662a9bc1b:7cf6be4bf8e1bd7d13807afdb10ac4ed0d00d5250fb0ca
```

First, there is a version number, in this case v2.
Next is the number of iterations used in the hash algorithm, in this case 10000. Next, is the password hash, and finally the salt.

Technical Details

- Passwords are hashed with a 192-bit random salt.
- Only the PBKDF2 hash with HmacSHA1 (10,000 iterations) is stored.

Configuring Cross-Site Scripting Countermeasures

4.8 The designer will ensure the application does not have cross site scripting (XSS) vulnerabilities.(APP358o CAT I)

In order to prevent cross-site scripting and SQL injection attacks, TeamPage applies configurable transformations to all inputs.

In most cases, the default transformations suffice to guard against attackers embedding JavaScript in form, URL parameters or other inputs, which is the primary way that cross-site scripting attacks are carried out.

If new attacks are discovered, or additional protections needed, the instructions in <https://teampage.tractionsoftware.com/traction/permalink/Doc303> explain how to build and test custom transformers.

The screenshot shows the 'Transformer Setup' window with the following sections and options:

- General Input Transformations**
 - Journal Posts: Default (Sanitize Journal Posts)
 - Rich Text Content: Default (Sanitize Rich Text Entries)
 - Plain Text Content: Default (Sanitize Plain Text Entries)
- Permission-Based Input Transformations**
 - Comments: Default (None)
 - Received Email Content: Default (None)
 - Ingested Feed Content: Default (None)
- Other Input Transformations**
 - Simplifying Content: Default (Simplify HTML)
- Setting Input Transformations**
 - Setting Values: Default (Sanitize Setting Values)
 - Text-only Setting Values: Default (Sanitize Text-only Setting Values)
- Runtime Transformations**
 - Runtime URL Parameter Values: Default (Sanitize Incoming URL Parameter Values)

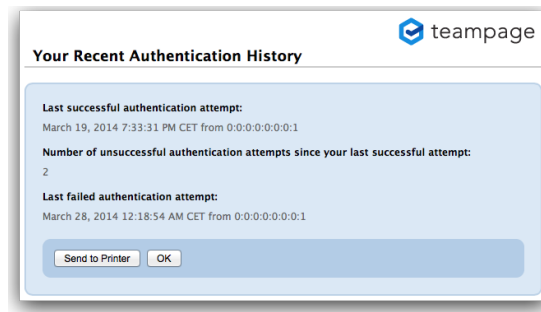
Buttons at the bottom: Close, Reset, Apply.

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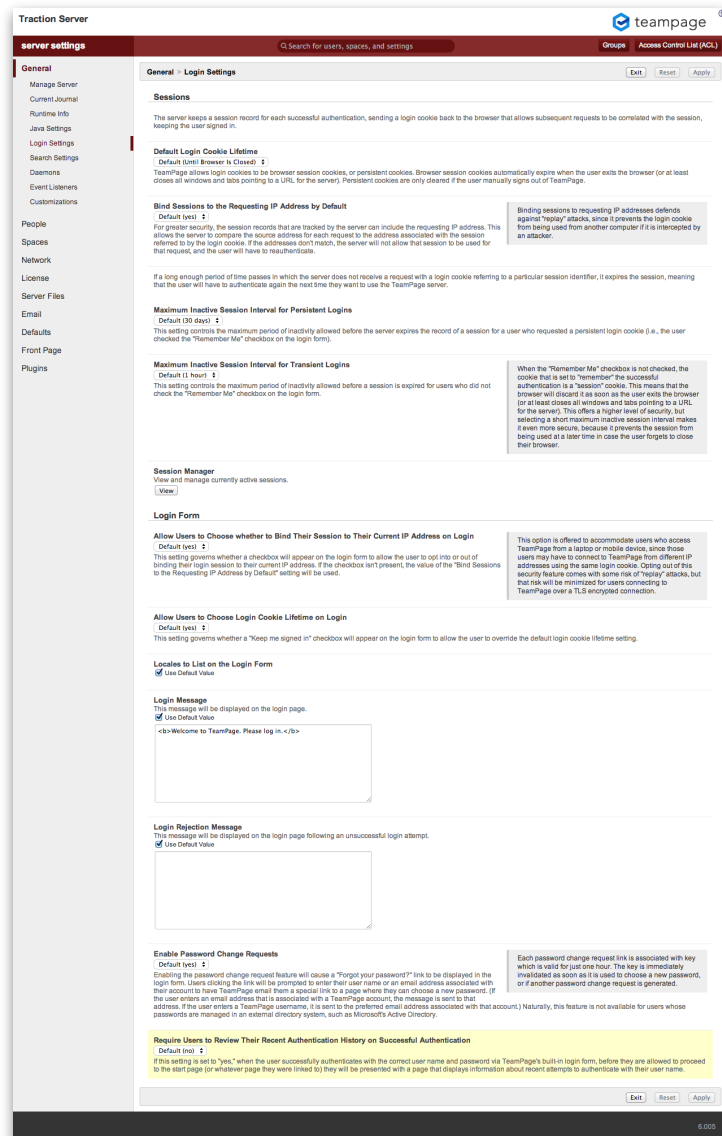
Displaying Important Login Information

4.14 The designer will ensure the application has a capability to notify the user of important login information. (APP366o CAT III)

When logging in directly, after successful authentication, TeamPage can be configured to show a screen with the required information.



To enable the display of this screen, change this setting from *Default (no)* to *yes*.



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Customizing Denial of Service Mitigation

The following requirement addresses

5.1 The designer will ensure the application provides a capability to limit the number of logon sessions per user and per application. (APP3410 CAT II)

Denial of service filtering is enabled by default. You can configure the default settings as needed for your deployment using the *Server Settings > Network > Features/Tuning > DoS Filtering* controls.

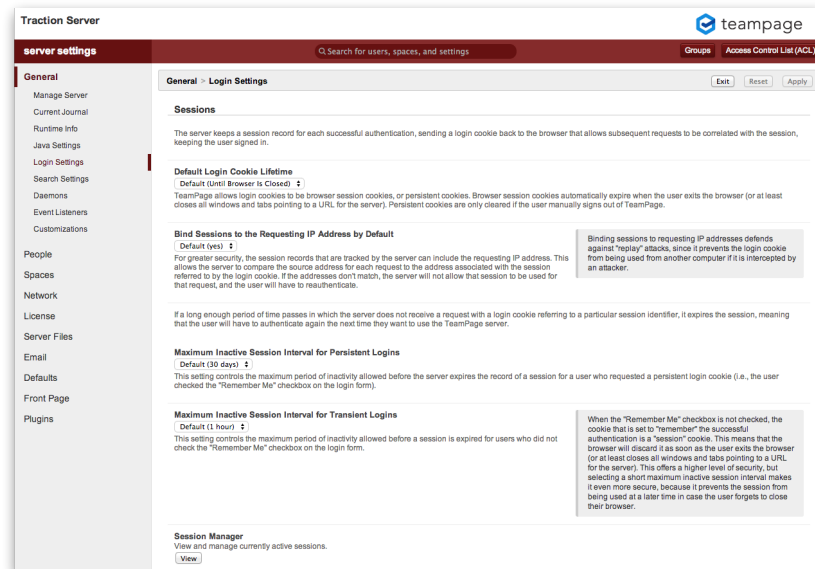
The screenshot shows the 'Traction Server' configuration interface for 'TeamPage'. The left sidebar lists various settings categories: General, People, Spaces, Network (selected), HTTP Server, Features / Tuning, Outgoing HTTP Requests, License, Server Files, Email, Defaults, Front Page, and Plugins. The main content area is titled 'Network > Features / Tuning' and contains several configuration sections:

- gzip Compression:** Default (yes). A note states: 'gzip compression will significantly decrease the bandwidth used for text and html content, but it will increase the load on the server.'
- gzip MIME Types:** (text/javascript;text/plain;text/xml;text/css) ☒ Use Default Value (text/javascript;text/html;text/css,application/xml,application/atom+xml). A note states: 'This is the list of MIME types that should be gzipped. The list should list MIME types separated by commas, with no additional space.'
- Allow Reverse DNS Lookups to Determine Host Name for Request IP Addresses:** no. A note states: 'For certain operations, such as logging the source of incoming requests or recording tracking data, your TeamPage TeamPage server may normally attempt to do a reverse DNS lookup of the requester's remote IP address. In some circumstances, this may cause unacceptable delays in processing requests, particularly if reverse lookup is not supported for the requesting IP address.'
- Base64 Encode Cookie Values:** yes. A note states: 'Base64 encoding cookie values is encouraged because it avoids certain encoding issues.' A warning box states: 'This feature may have to be disabled if cookies are being shared between a TeamPage server and another web server.'
- DoS (Denial of Service) Filtering:**
 - A note states: 'The web server can be configured to prevent incoming requests from overwhelming the host computer, either by exhausting its memory resources or outstripping its computational power. These features should be tuned in accordance with balancing the resources available to the TeamPage server with the requirements for legitimate users to make a reasonable number of requests in a given time frame.'
 - Maximum Requests per Second:** A maximum number of requests from a connection per second. Additional requests above this number are first delayed, then throttled. 25 per second. ☒ Use Default Value (25 per second).
 - Delay Applied to Requests above the Maximum per Second:** Delay imposed on all requests over the rate limit, before they are considered at all. Use -1 to indicate that the over-limit requests should be rejected. 100 ms. ☒ Use Default Value (100 ms).
 - Maximum Throttle Wait Time:** The maximum length of time the server should wait for the throttle to accept or reject a request. If the system must wait longer than this amount of time, it will be treated the same way a request would be if it had been rejected by the throttle. 50 ms. ☒ Use Default Value (50 ms).
 - Maximum Simultaneous Throttle Request Count:** The number of requests over the rate limit that can be simultaneously considered for throttling. 5 requests. ☒ Use Default Value (5 requests).
 - Maximum Throttled Request Timeout:** The maximum length of time the server should allow a throttled request to wait after it is suspended before the request times out. If the server has the capacity to resume the request before the timeout expires, the request should complete normally. 30000 ms. ☒ Use Default Value (30000 ms).
 - Maximum Idle Request Time:** The maximum length of time to keep track of request rates for a connection before the connection can be discarded. 30000 ms. ☒ Use Default Value (30000 ms).
- Set "DoSFilter" HTTP Response Headers:** Default (yes). Indicates whether HTTP response headers should be set to tell the requesting user agent that the DoS filter has been applied to the request.
- Track Connections by Session Identifier:** Default (yes). Indicates whether the request rate should be tracked on a per session basis, when a session is available.
- Track Connections by IP Address and Remote Port Number:** Default (no). If per session tracking is not being used, this setting indicates whether the request rate should be tracked on a per IP address and port basis.
- Remote IP Addresses Exempt from Rate Limiting:** This setting allows administrators to specify a comma-separated "white list" of IP addresses to which request rate limiting will not be applied. ☒ Use Default Value.

At the bottom right of the configuration area are buttons for 'Exit', 'Reset', and 'Apply'. The version number '6.005' is displayed in the bottom right corner of the interface.

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Additional protections can be achieved by shortening sessions and binding them to the IP address of the user's computer. These controls are on this admin page:

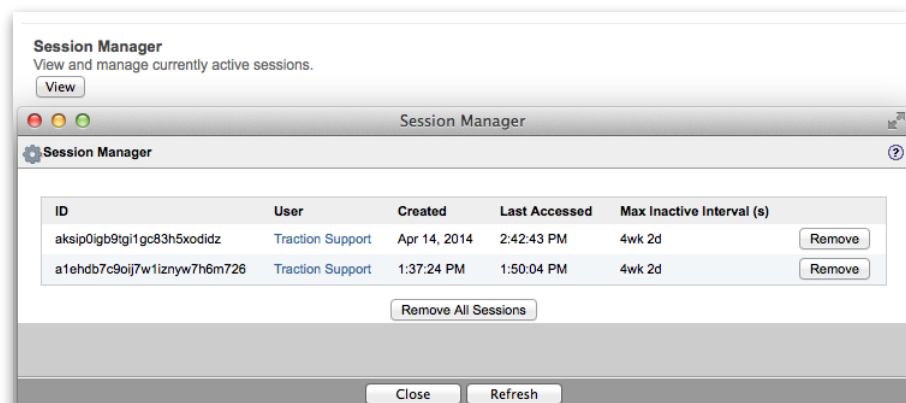


Terminating Sessions

5.2 The designer will ensure the application provides a capability to automatically terminate a session and log out after a system defined session idle time limit is exceeded. (APP3415 CAT II)

The session idle time is controlled by the session settings shown above.

To terminate an active session, open the session manager by clicking the View button.



To immediately terminate the session, click the Remove button next to the session you wish to terminate.

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Tip: You can also access any admin view or settings by typing a few characters of its name into the search box at the top of the setup pages.

