# DoD TeamPage Configuration Notes

**Traction Software** 

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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 (<u>https://teampage.tractionsoftware.com/traction/permalink/Doc351</u>).

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 <u>https://</u> teampage.tractionsoftware.com/traction/permalink/Doc264.

Instructions for connecting to Active Directory with NTLMv2 using the JESPA libraries are posted at <u>https://teampage.tractionsoftware.com/traction/space/jespaauth</u>. 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 <u>sales@tractionsoftware.com</u>.

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 <u>https://teampage.tractionsoftware.com/traction/permalink/</u> <u>Customer4532</u>.

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.

00	Terms of Service Configuration	R <sub>M</sub>	Prems of Service Agreement	۲
Server Settings	Configure Plugin Terms of Service	• •		
Terms of Servi Requires users to agree	settings/plugins/installed/com.tractio ICC to Terms of Service before granting access to most views.	n.termsofservice.zip	I will abide by my organization's Terms of Service for this site.	
Server Settings				
Text of the Terms of Se Enter the terms of service for Use Default Value				
I will abide by my organizati	ion's Terms of Service for this site.			
Terms of Service Agree	ement Version Number			
Version Number of Terms of I	Service Agreement. This should be a number. When this number is cl erms of service when they next visit the site.	nanged, all users		
Duration in Days 90				
These terms of service need Use Default Value (90)	to be reviewed and accepted after this many days have elapsed.			
Checkbox Label Lagre	te to these terms of service.	_/		
Label that is displayed next to Use Default Value (I agre	io the checkbox that the user must check in order to agree to the terms to these terms of service.)	s of service.		
Continue Button Label				
The label printed on the butto TeamPage. Use Default Value (Conta	on that the user clicks after agreeing to the Terms of Service, to proce	ed into		
Use Default Value (Conta	nue)			
	Close Reset Apply	6.005	Continue	6.005
		_		

#### **DoD TeamPage Configuration Notes**

#### **Password Storage Compliance**

3.4 The designer will ensure the application stores account passwords in an approved encrypted format.(APP3340 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:PHYyPjEwMDAwOjNjMWIyZGVjMTZkYjFmYWJmZjlkNDYwMTM0YzU2NjAwYWE zN2IwODY2MmE5YmMxYjo3Y2Y2YmU0YmY4ZTFiZDdkMTM4MDdhZmRiMTBhYzRlZDBk MDBkNTI1MGZiMGNhNzc=:1:

A Transformer Setup

General Input Transformations

Journal Posts Default (Sanitize Journal Posts)

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 1000. 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. (APP3580 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

This set of transformers is applied to all content that is logged to the, transformations have been applied to it already. This can be useful fo or malformed content. Rich Text Content Default (Sanitize Rich Text Entries) This set of transformers is applied to entry content that is marke Edit... New... Plain Text Content Default (Santize Plain Text Entries) Cat., New... Permission-Based Input Transformations Comments Default (None) This set of transformers is run after running the plain o applied to the content of comments posted by any user of the Anie Author participane is that varies (but Edit... New... Received Email Content Defaut (None) Edit... New... is applied to content that is receiv project, but does not also have an on). This gives administrators the late not effect. t of transformers is a sion in the target proj Other Input Transformations Ingested Feed Content Default (None) This set of transformers, run before the norma Traction's FeedReader. Edit... New... Simplifying Content Default (Simplify HTML) Edit... New... Setting Input Transformations Setting Values Default (Santize Setting Values) V Edt... New... Runtime Transformations Runtime URL Parameter Values Default (Sanitize Incoming URL Parameter Values) 👻 Edit... New...

Close

Edit... New...

https://teampage.tractionsoftware.com/traction/permalink/Doc303 explain how to build and test custom transformers.

#### **Displaying Important Login Information**

4.14 The designer will ensure the application has a capability to notify the user of important login information. (APP3660 CAT III)

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

Your Recent Authentication History
Last successful authentication attempt: March 19, 2014 7:33:31 PM CET from 0:0:0:0:0:0:0:1
Number of unsuccessful authentication attempts since your last successful attempt: 2
Last failed authentication attempt: March 28, 2014 12:18:54 AM CET from 0:0:0:0:0:0:0:1
Send to Printer OK

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

		1 3
erver settings	Q Search for users, spaces, and settings	Groups Access Control List (A
Seneral	General ≥ Login Settings	Fuit Revet Ann
<text></text>		
Current Journal	<page-header>      A Concrete C</page-header>	
Runtime Info	The server keeps a session record for each successful authentication, sending a login cookie back to the browser that allows sub	sequent requests to be correlated with the session,
Java Settings	keeping the user signed in.	
Login Settings	Default Login Cookie Lifetime	
	Default (Until Browser Is Closed)	
	TeamPage allows login cookies to be browser session cookies, or persistent cookies. Browser session cookies automatically exp closes all windows and tabs pointing to a URL for the server). Persistent cookies are only cleared if the user manually signs out or	ire when the user exits the browser (or at least f TeamPage.
Customizations	Bind Sessions to the Requesting IP Address by Default Binding s	essions to requesting IP addresses defends
ople	For greater security, the session records that are tracked by the server can include the requesting IP address. This from being	eplay" attacks, since it prevents the login cookie g used from another computer if it is intercepted by
aces	allows the server to compare the source address for each request to the address associated with the session referred to by the login cookie. If the addresses don't match, the server will not allow that session to be used for	Br.
work	that request, and the user will have to reauthenticate.	
Inse	If a long enough period of time passes in which the server does not receive a request with a login cookie referring to a particular s	ession identifier, it expires the session, meaning
	that the user will have to authenticate again the next time they want to use the TeamPage server.	
	Maximum Insetting Passion Internal for Descistant Loging	
	Default (30 days) ÷	
aults	This setting controls the maximum period of inactivity allowed before the server expires the record of a session for a user who req checked the "Remember Me" checkbox on the login form).	uested a persistent login cookie (i.e., the user
nt Page		
gins	Default (1 twor) 1     Default (1 twor) 2     Twor 1     Section 2	ation is a "session" cookie. This means that the will discard it as soon as the user exits the browser at closes all windows and tabs pointing to a URL vver). This offers a higher level of security, but a short maximum inactive session interval makes are secure, because it prevents the session from of at a later time in case the user forgets to close
	View and manage currently active sessions.	
	Default tyes: This setting governme whether a checkbox will appear on the login form to allow the user to opt into or out of binding their login session to their current IP address. If the checkbox isn't creatent, the value of the 'Bind Session's addresses	e from a laptop or mobile device, since those y have to connect to TeamPage from different IP s using the same login cookie. Online out of this
	Default (set) = This setting governs whether a "Keep me signed in" checkbox will appear on the login form to allow the user to override the default	it login cookle lifetime setting.
	🕑 Use Default Value	
	Login Message This message will be displayed on the login page.	
	Logia Relation Messare	
	This message will be displayed on the login page following an unsuccessful login attempt.	
	Default (yes) +	er password change request is generated.
	Require Users to Review Their Recent Authentication History on Successful Authentication Default (no) = 1 If this setting is set to "rest," when the user successfully authenticates with the correct user name and password via TeamPace's to	uill-in login form, before they are allowed to procees attempts to authenticate with their user name.
		Duit Reset App

#### **Customizing Denial of Service Mitigation**

The following requirement addresses

 $5.1\,{\rm The}$  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.

Traction Server	😔 teampage 🏾
server settings	O, Search for users, spaces, and settings Groups Access Control List (ACL)
General	Network > Features / Tuning
People	
Spaces	gzip Compression Default tyres) : gzip compression will significantly decrease the bandwidth used for text and html content, but it will increase the load on the server.
Network	gzip compression will significantly decrease the bandwidth used for text and nithil content, but it will increase the load on the server.
HTTP Server	gzip MIME Types 🛛 text/javascript.text/plain.text/xml.text/i 🧭 Use Default Value (text/javascript.text/plain.text/xml.text/css.application/x.atom+xml)
Features / Tuning	This is the list of MIME types that should be gzipped. The list should list MIME types separated by commas, with no additional space.
Outgoing HTTP Requests	Allow Reverse DNS Lookups to Determine Host Name for Request IP Addresses
License	no  + 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
Server Files	lookup of the requester's remote IP address. In some droumstances, this may cause unacceptable delays in processing requests, particularly if reverse lookup is not supported for the requesting IP address.
Email	
Defaults	Base64 Encode Cookle Values (yes : Base64 encoding cookle values is encouraged because it avoids cartain encoding issues. Base64 encoding cookle values is encouraged because it avoids cartain encoding issues.
Front Page	server.
Plugins	DoS (Denial of Service) Filtering
	The web server can be ordigated to prevent incoming naturals from overwhelming the hold concepter, either by wahausticit (a memory resources or outbridging) as computational power. These features should be hand an accordance with bilanding the resources available to the TeamPage server with the requirements for legitimate users to make a reasonable number of requests in a given time tame.
	Maximum Requests per Second A maximum mund of requests barrow na contraction per second. Additional requests above this number are first delayed, then throtted. 33 per second 54 be float use to 25 per second)
	Celay 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 m events of the Default Value (100 m)
	Maximum Throtis Wait Time The maximum keying of time be arrer should wait for the throtise to accept or reject a request. If the system must wait longer than this amount of time, it will be breated the same way the system must wait longer than been rejected by the throtise. Source and the system of the been registed by the throtise.
	Maximum Simultaneous Throttle Request Count           The number of requests over the traits limit that can be simultaneously considered for twotting.           5         requests           2         Use Default Value (5 requests)
	Maximum Throttidel Request Timeout The maximum length of times the annot should allow a throtted request to wait after it is suspended before the request times out. If the server has the capacity to resume the request times of the server is the capacity to resume the request times of the server is the capacity to resume the request 3000 m v G the Default Value (1000 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         m           State Defast Velae (30000 ms)
	Set "DeSTINCT HTTP Response Headers [ Orlank treat ] Indicates whether HTTP response headers should be set to tall the requesting user agent that the DoS filter has been applied to the request.
	Track Connections by Session Identifier [Obtautiven 1] 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 ron 3] Four research tracking land, 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 sating allows administrators to specify a comma-separated "white Isa" of IP addresses to which request rate limiting will not be applied. If use them, the second sec
	Exit Reset Apply
	6.005

#### DoD TeamPage Configuration Notes

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:

Traction Server		🮯 teampage
server settings	Q Search for users, spaces, and settings	Groups Access Control List (AC
General	General > Login Settings	Exit Reset Apply
Manage Server		
Current Journal	Sessions	
Runtime Info	The server keeps a session record for each successful authentication, sending a login cookie back to the browser that all	lows subsequent requests to be correlated with the session.
Java Settings	keeping the user signed in.	
Login Settings		
Search Settings	Default Login Cookie Lifetime Default (Until Browser is Closed)	
Daemons	TeamPage allows login cookies to be browser session cookies, or persistent cookies. Browser session cookies automati	
Event Listeners	closes all windows and tabs pointing to a URL for the server). Persistent cookies are only cleared if the user manually sig	gns out of TeamPage.
Customizations		Binding sessions to requesting IP addresses defends
People	For greater security, the session records that are tracked by the server can include the requesting IP address. This	against "replay" attacks, since it prevents the login cookie rom being used from another computer if it is intercepted by an attacker.
Spaces	referred to by the login cookie. If the addresses don't match, the server will not allow that session to be used for that request, and the user will have to reauthenticate.	
Network		
License	If a long enough period of time passes in which the server does not receive a request with a login cookie referring to a pa that the user will have to authenticate again the next time they want to use the TeamPage server.	articular session identifier, it expires the session, meaning
Server Files		
Email	Maximum Inactive Session Interval for Persistent Logins	
Defaults	This setting controls the maximum period of inactivity allowed before the server expires the record of a session for a user checked the "Remember Me" checkbox on the loain form).	who requested a persistent login cookie (i.e., the user
Front Page	shearad and remainion me chearada on an regiment).	
Plugins	Default (1 hour) \$	When the "Remember Me" checkbox is not checked, the cookie that is set to "remember" the successful subentication is a "session" cookie. This means that the
	check the "Remember Me" checkbox on the login form.	proveer will discard it as soon as the user exits the browser or takes to close all windows and takes pointing to a URL or the server). This offers a higher level of security, but deciding a short maximum incader easismon interval makes even more secure, because it prevents the session forma- leng used at a later time in case the user forgets to close heir browser.
	Session Manager View and manage currently active sessions.	

#### **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.

0 0		Session Ma	nager		
ession Manager					
ID	User	Created	Last Accessed	Max Inactive Interval (s)	
aksip0igb9tgi1gc83h5xodidz	Traction Support	Apr 14, 2014	2:42:43 PM	4wk 2d	Remove
a1ehdb7c9oij7w1iznyw7h6m726	Traction Support	1:37:24 PM	1:50:04 PM	4wk 2d	Remove
		Remove All Se	essions		

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

### DoD TeamPage Configuration Notes

**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.

session	
Server Settings	
Session Manager View and manage currently active sessions. Session Manager	
Maximum Inactive Session Interval for Persistent Logins	
session_persistent_max_inactive_seconds the record of a session Server Settings > General	
Maximum Inactive Session Interval for Transient Logins	
<b>session_</b> transient_max_inactive_seconds inactivity	
Server Settings > General whether to Bind Their Session to Their	
Current IP	
of binding their login <i>session</i> to their current IP	
Server Settings > General Bind Sessions to the Requesting IP Address by	
Default For greater security, the session records that	
are tracked Server Settings > General	
Track Connections by Session Identifier tracked on a per session basis, when a	
session Server Settings > Network	
Default Login Cookie Lifetime cookies to be browser session cookies, or	
persistent Server Settings > General	
Track Connections by IP Address and Remote Port Number If per session tracking is not being Server Settings > Network	