

Runtime Infrastructure - Bug #11923

Runtime settings defaults in FWD diverge from the OE counterparts

09/30/2026 04:18 AM - Artur Școlnic

Status:	Review	Start date:	
Priority:	Normal	Due date:	
Assignee:	Artur Școlnic	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		reviewer:	Constantin Asofiei
billable:	No	production:	No
vendor_id:	GCD	env_name:	
case_num:		topics:	
version_reported:			
version_resolved:			
Description			

History

#1 - 09/30/2026 04:19 AM - Artur Școlnic

This is a table with all the common settings that have different default values compared to OE:

#	Area	Setting (OpenEdge / FWD)	OpenEdge default	FWD default	Impact of the divergence
1	AppServer	idleResourceTimeout / idleResourceTimeout	0 (idle checks off)	1800000 (idle clean-up every 30 min)	High: FWD disconnects clients idle for more than 30 min (idleSessionTimeout), while an untuned OE instance leaves bound connections alone. Silent: long-lived clients get errors on their next call.
2	AppServer	agentListenerTimeout / agentListenerTimeout	10000	300000	Low: only matters when the agent fails to start; FWD then waits 5 min before reporting it.
3	AppServer	maxAgents / maxAgents	10	1 (setting it higher only logs a warning)	Medium: commonly tuned in production. FWD has no scale-out across agent processes and no isolation between them: one JVM holds every session, so a crash or heap exhaustion hits them all. Capacity comes from maxMsaSessionsPer Agent instead.
4	AppServer	agentLogFile / agentLogFile	blank	legacy_client_<date>_me>_%uos_%pid_%as.log	Low: only changes the file name and location; log-shipping or monitoring scripts need adjusting. OE's {yyyy-mm-dd} token does not rotate the log

					in FWD.
5	AppServer	agentLogEntryTypes / agentLogEntryTypes	blank in [AppServer.SessMgr]	ASPlumbing,DB.Conn ects (matches the OE instance section)	Low: FWD logs a bit more by default; OE instances normally set the same value anyway.
6	AppServer	REST adapterEnabled / rest/enabled	1	false	Medium: REST services are unreachable until enabled. Loud and fixed with one setting.
7	AppServer	SOAP adapterEnabled / soap/enabled	1	false	Medium: SOAP services are unreachable until enabled. Loud and fixed with one setting.
8	AppServer	WEB adapterEnabled / webHandler/enabled	1	false	Medium: WebHandler and WebSpeed endpoints are unreachable until enabled. Loud and fixed with one setting.
9	AppServer	WEB wsRoot / webspeedHandler/bas epath	/static/webspeed	/	Medium for WebSpeed apps that build static-asset URLs from wsRoot (images and scripts return 404); none otherwise.
10	AppServer	WEB defaultCookieDomain / webspeedHandler/def aultCookieDomain	the application URL	localhost	High for WebSpeed apps that set cookies: browsers reject a localhost domain when the app is reached by its real host name, so logins and session state are lost silently. Always set this explicitly.
11	AppServer	WEB defaultCookiePath / webspeedHandler/def aultCookiePath	the application URL	/	Low: cookies are sent to more paths than before; this rarely breaks anything.
12	AppServer	SOAP wsaUrl / soap/basepath + soap/wsdlPort	/soap on the instance's HTTP port	/ws on port 443	Medium: the WSDL advertises a different endpoint, so existing SOAP clients and generated stubs must be repointed. Loud.
13	Web container	Executor maxThreads / JettyThreadPool/max Threads	300	200	Low: only reached under heavy concurrent HTTP load, where requests then queue.
14	Web container	Executor minSpareThreads / JettyThreadPool/minT hreads	10	8	Low: negligible warm-up difference.
15	Web container	psc.as.https.port / adminPort	8811	9443	Low: deployment configuration, loud; clients and firewalls need the right port.
16	Web container	psc.as.http.port / <app>WebApp/port	8810	-1 (off); the main FWD server has no HTTP connector	Low-Medium: plain-HTTP clients and internal health probes fail. Loud.
17	Web container	connectionTimeout / webServerMaxIdleTim	20000 ms	-1, which falls back to Jetty's 30000 ms	Low: idle keep-alive sockets stay open

		eout			slightly longer.
18	Web container	web.xml session-timeout / <app>WebApp/sessionTimeout	30 min	3600 s	Low: web sessions live twice as long (more memory, longer exposure); only affects third-party webapps.
19	Security	OECORSFilter.allowAll / web-response-headers	all origins allowed	none: no origin allowed, preflights get 403	High for browser front-ends calling REST from another origin: every cross-origin call is blocked until the headers are configured. Loud in the browser console, but blocks everything.
20	Security	LockOutRealm failureCount / auth-mode/retries	lockout after 5 failures for 300 s	0 (only limits retries within one login attempt, never locks the account)	Medium: security posture; FWD offers no brute-force lockout. Silent: nothing fails, the protection is just absent.
21	Security	http.formlogin.loginurl / <type>/authentication/login_path	/static/auth/j_spring_security_check	none, so every call authenticates	Medium if clients use form login: FWD services only do basic authentication, so those clients must change. None for basic-authentication or anonymous clients.
22	Security	http.logout.url / <type>/authentication/logout_path	/static/auth/j_spring_security_logout	/fwdlogout	Low: only matters when login tokens are used; clients must call the new path.
23	Security	OESSTokenManager.ssoTokenRefresh / tokenHeartbeatIntervalSec	on, every 3600 s	0 (off)	Low: only with single sign-on; tokens expire instead of being refreshed.
24	Logging	psc.as.logging.level / logging/loggers/root	WARN (Tomcat's own logger: INFO)	INFO	Low: more verbose logs. Watch out: FWD silently ignores OE level names (WARN, ERROR, DEBUG, TRACE).
25	Logging	rolling policy / logging/file/rotationLimit	daily	every 500000 bytes	Low: log-archiving scripts that expect one file per day need changing.
26	Logging	psc.as.logging.maxhistory / logging/file/rotationCount	6	120	Low: FWD keeps about 60 MB in total (120 files of 500000 bytes); busy servers can lose history sooner than with 6 daily files.
27	Logging	console appender / logging/console	on (INFO)	off	Low: matters only when logs are collected from stdout (containers).
28	Health	psc.as.health.interval / persistence/health-check/interval	60 s	300 s, the lowest it allows	Low: off by default in both; FWD only checks database connectivity.

#3 - 09/30/2026 07:14 AM - Artur Școlnic

- Assignee set to Artur Școlnic
- Status changed from New to WIP

#4 - 09/30/2026 09:50 AM - Artur Școlnic

- Status changed from WIP to Review
- reviewer Constantin Asofiei added

Defaults changed to match OpenEdge

#	Setting (FWD key)	OpenEdge default	FWD before	FWD now	File
10	WebSpeed webspeedHandler/defaultCookieDomain	empty (host-only cookie)	localhost	empty	util/WebContextOps.java
13	Jetty JettyThreadPool/maxThreads	300	200	300	web/GenericWebServer.java
14	Jetty JettyThreadPool/minThreads	10	8	10	web/GenericWebServer.java
18	Third-party web app <app>WebApp/sessionTimeout	30 min	3600 s	1800 s	web/GenericWebServer.java
-	Server response header (not configurable)	not sent	sent, with the Jetty version	not sent	web/GenericWebServer.java
-	Max form POST size for WebSpeed and WebHandler (not configurable)	2 MB	200000 bytes	2 MB	main/LegacyServiceHandler.java, main/WebServiceHandler.java, webspeed/WebspeedHandler.java
-	JWT expiry clock skew (not configurable)	60 s	0 s	60 s	security/OidcSsoAuthenticator.java

Diverging defaults left unchanged

- Changed, then reverted after the code review: 11, 17, and the max form POST size for REST and SOAP
- No FWD mechanism to match: 3, 16, 20, 21, 25, plus URI encoding, directory listings for third-party WARs, `srvrAppMode` / `srvrDebug`, and the JWT audience check
- Would expose services or weaken security: 6, 7, 8, 19
- The OpenEdge value does not work in FWD: 2, 9, 28
- Already matches in effect: 1, 5
- Would change existing FWD deployments or make logging worse: 4, 12, 15, 22, 23, 24, 26, 27

Committed to 11923a.