Issues

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
8525	Conversion Tools	Feature	New	Normal	eliminate the runtime dependency on registry.xml		03/26/2024 10:53 AM
8494	Database	Feature	New	Normal	rework XmlExport with the performance improvements from JsonExport		03/21/2024 09:30 AM
8362	Build and Source Control	Feature	New	Normal	implement a web-based UI for "project creation" and deliver it as a docker image		02/28/2024 09:53 AM
8124	Base Language	Feature	New	Normal	rework conversion and runtime support for BLOCK-LEVEL and ROUTINE-LEVEL statements		12/18/2023 10:44 AM
8103	Build and Source Control	Support	New	Normal	merge Hotel GUI, Hotel ChUI and implement a multi-modal template process		12/06/2023 12:05 PM
7964	Database	Feature	New	Normal	investigate the benefits of disabling cross-session features of the dirty share database (without completely eliminating all dirty share functionality)		10/25/2023 10:48 AM
7963	Database	Support	New	Normal	disable dirty share database and test existing customer applications		10/25/2023 10:49 AM
7957	Build and Source Control	Support	New	Normal	testcases project setup		11/02/2023 08:42 AM
7943	Database	Feature	New	Normal	improvements in lock management for diagnostics and release of orphaned locks		10/19/2023 04:49 PM
7851	Conversion Tools	Feature	New	Normal	automatically add to conversion list all classes referenced via unit test suite annotations		09/27/2023 03:51 PM
7850	Build and Source Control	Support	New	Normal	questions and answers about ABLUnit support in FWD		04/12/2024 01:51 PM
7802	Database	Feature	New	Normal	implement INACTIVE index support		09/15/2023 09:03 AM
7799	Runtime Infrastructure	Feature	WIP	Normal	automated vulnerability scanning	Tomasz Domin	02/19/2024 07:08 AM
7714	Conversion Tools	Bug	New	Normal	basepath cannot have trailing backslash (/)		08/17/2023 08:24 AM
7709	User Interface	Feature	New	Normal	ABLUnit support for web clients		08/23/2023 10:15 AM
7675	Runtime Infrastructure	Feature	New	Normal	add missing runtime support for 4GL command line parameters		08/11/2023 10:50 AM
7657	User Interface	Bug	New	Normal	8-bit character entry problem in ChUI	Eugenie Lyzenko	04/12/2024 01:45 PM
7386	Base Language	Feature	New	Normal	predefined auditing events support and a better persistence approach for auditing data		05/26/2023 07:52 AM
7377	Runtime Infrastructure	Bug	New	Normal	ServerDriver.connect() should not force server-mode to be turned on		05/23/2023 06:31 AM
7354	Runtime Infrastructure	Bug	New	Normal	do not log keystore/truststore passwords when dumping arguments during spawning		05/19/2023 06:07 AM
7342	Build and Source Control	Support	New	Normal	evolve testcases project configuration and scripting to simplify, standardize and automate setup	Roger Borrello	05/10/2023 01:03 PM
7306	Build and Source Control	Support	New	Normal	standardize how our projects obtain/consume 4GL source code/schemata from customers		04/27/2023 12:03 PM
7257	Conversion Tools	Support	New	Normal	Should deploy.prepare delete all contents of deploy/lib/ before copying?		04/06/2023 10:22 AM
7216	Build and Source Control	Support	New	Normal	project build improvements to allow standard creation, archive, recreation steps		03/20/2023 07:44 AM
7180	Conversion Tools	Feature	New	Normal	create a centralized manager for the conversion list and per-file/project status and logging	Greg Shah	09/26/2023 02:40 PM
7179	Conversion Tools	Feature	New	Normal	rework the conversion process to ensure that it can finish an entire run even when there are failures after parsing		03/07/2023 08:20 PM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
7178	Conversion Tools	Feature	New	Normal	move the buffer scoping calculations to parse time	Constantin Asofiei	03/07/2023 07:41 PM
7169	Conversion Tools	Feature	New	Normal	drive conversion order using user-specified dependencies	Greg Shah	05/06/2023 09:42 AM
7080	Runtime Infrastructure	Feature	New	Normal	replace admin console GWT servlet transport with a REST API		01/27/2023 08:38 AM
7076	Database	Feature	Closed	Normal	make CAN-FIND avoid hydration	Dănuț Filimon	11/07/2023 05:27 PM
7045	Base Language	Feature	Test	Urgent	re-implement "normal" (non-abend) stack unwinding to avoid throwing an exception	Eduard Soltan	03/21/2024 04:26 AM
7034	Harness	Feature	Rejected	Normal	implement FWD appserver client features		01/11/2023 08:38 AM
7032	User Interface	Feature	New	Normal	implement the EDITOR:EMPTY attribute		01/10/2023 09:00 AM
7020	Database	Feature	Review	Normal	always use "expanded" extent fields	Ovidiu Maxiniuc	01/24/2024 09:28 PM
7004	Database	Support	New	Normal	eliminate the off-end processing in the TransactionManager and minimize the processing of off-end		12/22/2022 09:50 AM
6898	Database	Feature	New	Normal	PostgreSQL schema improvements		11/01/2022 08:33 AM
6863	Build and Source Control	Support	WIP	Normal	implement CI/CD servers and the rules for each set of tests	Hynek Cihlar	04/25/2023 02:38 PM
6862	Conversion Tools	Support	New	Normal	build conversion regression testing tooling		07/12/2023 11:18 AM
6861	Conversion Tools	Support	New	Normal	valid and invalid 4GL syntax (parsing)	Marian Edu	03/27/2023 03:59 AM
6860	Conversion Tools	Support	WIP	Normal	lexer tests	Marian Edu	03/27/2023 03:33 AM
6859	Conversion Tools	Support	New	Normal	preprocessor tests	Marian Edu	10/18/2022 06:57 PM
6858	Build and Source Control	Support	WIP	Normal	rework existing testcases to use ABLUnit	Marian Edu	09/06/2023 07:36 AM
6857	Build and Source Control	Support	New	Normal	rework existing testcases to easily convert and execute specific project subsets	Constantin Asofiei	10/18/2022 06:55 PM
6856	User Interface	Support	New	Normal	user interface tests	Marian Edu	08/07/2023 10:19 AM
6855	Database	Support	WIP	Normal	database/persistence tests	Marian Edu	11/06/2023 04:23 AM
6854	Base Language	Support	WIP	Normal	base language tests	Marian Edu	02/15/2024 12:29 AM
6853	Build and Source Control	Support	New	Normal	implement automated 4GL compatibility testing and CI/CD		03/31/2023 12:35 PM
6835	Database	Bug	New	Normal	deferred work for #6257		10/11/2022 08:51 AM
6834	Database	Bug	WIP	Normal	RAQ navigation on records having NULL values on same index components	Dănuț Filimon	07/10/2023 07:18 AM
6772	Base Language	Feature	New	Normal	increase usage of ASSIGN bracketing		09/20/2022 11:30 AM
6763	Database	Feature	Rejected	Normal	implement configurable sizes (in the directory) for FastFindCache and ORM Session cache	Eric Faulhaber	06/26/2023 08:30 AM
6754	Base Language	Feature	New	Normal	complete BOM support for XmlHelper.readXMLEncoding()		09/14/2022 07:02 AM
6732	TRPL	Support	New	Normal	discussion of language features		09/03/2022 08:14 AM
6721	Database	Feature	New	Normal	calculate field lists at conversion time where possible		08/29/2022 07:03 AM
6720	Database	Feature	WIP	Normal	lazy hydration	Alexandru Lungu	02/14/2024 07:30 AM

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6714	Database	Support	Review	Normal	check if there is an optimization opportunity when copying temp-tables based on multiplex id	Dănuț Filimon	01/26/2024 05:38 AM
6713	Database	Support	WIP	Normal	check if it is faster to use separate temp-table instances instead of multiplex id	Dănuț Filimon	10/07/2022 09:11 AM
6712	Database	Support	New	Normal	check generated dynamic temp-table caching to ensure that all cache keys work when generating hits		11/09/2022 03:13 AM
6711	Database	Feature	New	Normal	skip schema AST creation and go directly to .p2o in dynamic temp-table generation		08/25/2022 11:58 AM
6710	Database	Feature	New	Normal	persist dynamic temp-tables across server restarts		08/25/2022 11:56 AM
6709	Database	Support	WIP	Normal	track nested FIND inside a related FOR loop	Dănuț Filimon	01/06/2023 02:51 AM
6708	Database	Support	Review	Normal	track/report at runtime when AdaptiveQuery shifts into dynamic mode	Dănuț Filimon	12/08/2022 05:57 AM
6707	Database	Support	New	Normal	evaluate the effectiveness of the current approach to ProgressiveResults		08/25/2022 11:37 AM
6706	Conversion Tools	Bug	New	Normal	preserve existing camel-case usage in program names		08/25/2022 11:19 AM
6700	Database	Feature	New	Normal	refactor prodataset conversion to generate a separate/common class which can be reused from all locations referencing the same dataset defintion		08/24/2022 05:19 PM
6692	Runtime Infrastructure	Feature	Internal Test	Normal	move FWD to Java 17	Tomasz Domin	04/16/2024 11:43 AM
6673	Runtime Infrastructure	Feature	New	Normal	rework appserver agent approach to use a shared queue instead of a check-in/check-out registry	Constantin Asofiei	09/29/2022 04:25 PM
6669	Conversion Tools	Feature	New	Normal	load all conversion rules from the jar by default and honor the file system if it is there		08/11/2022 11:23 AM
6646	Runtime Infrastructure	Feature	New	Normal	short circuit legacy REST program invocation		08/01/2022 08:04 AM
6506	Base Language	Feature	New	Normal	implement CGI WebSpeed support and the standard web-disp.p dispatch functionality		06/09/2022 02:24 AM
6498	Base Language	Feature	New	Normal	add equivalent support for the -errorstack command line option		06/06/2022 12:34 PM
6497	Base Language	Feature	Closed	Normal	add equivalent support for the -T command line option	Theodoros Theodorou	12/19/2023 09:38 AM
6496	Database	Feature	Test	High	add equivalent support for -trig command line option	Alexandru Donica	02/02/2024 11:36 AM
6495	User Interface	Feature	New	Normal	add equivalent support for the undocumented -sbhelp command line option	Eugenie Lyzenko	02/05/2024 08:36 AM
6494	Database	Feature	New	Normal	add equivalent support for the -nodupttidxerror command line parameter	Eduard Soltan	06/26/2023 04:36 AM
6493	Base Language	Feature	New	Normal	add equivalent support for the command line parameters -ucc and -utf8intatchar	Eugenie Lyzenko	02/02/2024 09:37 AM
6491	User Interface	Bug	New	Normal	ClassCastException seen in stream processing related to GuiDriver		06/06/2022 07:51 AM
6490	Base Language	Feature	New	Normal	DYNAMIC-INVOKE which returns an extent		06/05/2022 02:56 PM
6489	Base Language	Support	New	Normal	port tests of the Open Java Client to the Open .NET Client		06/05/2022 10:41 AM
6488	Base Language	Support	New	Normal	write tests which use Java Open Client to access the appserver testcases		01/31/2024 07:25 AM
6486	Runtime Infrastructure	Feature	New	Normal	complete the admin console		06/03/2022 08:47 AM
6479	Database	Feature	New	Normal	pending DISCONNECT and static buffers		06/08/2022 02:25 AM
6474	User Interface	Bug	New	Normal	finish CAN-SET, CAN-QUERY, LIST-QUERY-ATTRS, LIST-SET-ATTRS		05/30/2022 08:59 AM

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6473	User Interface	Feature	New	Normal	better approach for default event behavior		05/30/2022 07:48 AM
6471	Runtime Infrastructure	Feature	New	Normal	load/scalability testing and improvements		05/29/2022 04:50 PM
6464	User Interface	Feature	New	Normal	cleanup of some messy parts of the UI implementation		05/29/2022 11:14 AM
6452	Base Language	Feature	New	Normal	add support for languages		05/27/2022 10:24 AM
6451	Base Language	Feature	New	Normal	I18N phase 4		05/27/2022 10:08 AM
6440	User Interface	Feature	New	Normal	ATTR-SPACE in FILL-IN		05/26/2022 09:14 PM
6439	User Interface	Feature	New	Normal	improve event support		05/26/2022 09:12 PM
6438	User Interface	Feature	Closed	Normal	frame attributes, methods and options	Eugenie Lyzenko	08/28/2023 09:05 AM
6437	User Interface	Feature	New	Normal	FIELD-GROUP:FOREGROUND		05/26/2022 09:09 PM
6436	User Interface	Feature	New	Normal	CLIPBOARD:NUM-FORMATS		05/26/2022 09:08 PM
6435	Runtime Infrastructure	Feature	New	Normal	RedHat/CentOS certification and support		05/26/2022 09:04 PM
6434	Base Language	Bug	New	Normal	unknown stream reference errors in post-parse-fixups		05/26/2022 08:59 PM
6433	Base Language	Feature	New	Normal	implement WEB-CONTEXT system handle		05/26/2022 08:47 PM
6432	Base Language	Feature	New	Normal	implement the WEB special stream		05/26/2022 08:15 PM
6431	Base Language	Feature	WIP	Normal	implement support to allow CPINTERNAL set to UTF-8 and CP936	Theodoros Theodorou	03/29/2024 06:16 AM
6430	Base Language	Feature	New	Normal	implement features dependent upon CPCOLL/CPCASE		06/08/2022 09:34 PM
6429	Base Language	Feature	New	Normal	implement I18N tests and fix issues to make the tests work		05/26/2022 07:41 PM
6428	Base Language	Feature	New	Normal	implement IS-LEAD-BYTE() built-in function		09/13/2023 08:16 AM
6427	Base Language	Feature	New	Normal	finish the COMPARE built-in function		05/26/2022 06:51 PM
6426	Base Language	Feature	Closed	Normal	implement ERROR-STATUS:CLEAR()	Theodoros Theodorou	02/20/2023 04:10 PM
6425	Base Language	Feature	Closed	Normal	SESSION handle features	Theodoros Theodorou	02/18/2024 01:09 PM
6424	Base Language	Feature	New	Normal	fill gaps in Java Open Client replacement (appserver client support)		04/01/2024 04:00 AM
6423	Base Language	Feature	New	Normal	finish authentication features (some missing security items related to SECURITY-POLICY and CLIENT-PRINCIPAL)		05/26/2022 03:41 PM
6422	Base Language	Feature	WIP	Normal	implement auditing support including AUDIT-POLICY and AUDIT-CONTROL	Theodoros Theodorou	03/27/2024 07:46 PM
6421	Base Language	Feature	Closed	Normal	finish GENERATE-RANDOM-KEY support	Theodoros Theodorou	03/27/2023 03:36 AM
6420	Base Language	Feature	Review	Normal	implement the AUDIT-ENABLED() built-in function	Theodoros Theodorou	08/11/2023 10:55 AM
6419	Base Language	Feature	New	Normal	compatibility testing (and any needed fixes) for security features		05/26/2022 03:27 PM
6417	Base Language	Feature	WIP	Normal	cleanup some known items in appserver support	Galya B	03/28/2024 09:49 AM

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6416	Base Language	Feature	New	Normal	explore and implement ideas to make OO 4GL more efficient		10/06/2022 10:01 AM
6414	Database	Feature	Closed	Normal	ERROR attribute for buffer, dataset and temp-table	Ovidiu Maxiniuc	01/19/2024 02:06 AM
6411	Base Language	Feature	Closed	Normal	LOB-DIR I/O option support	Eugenie Lyzenko	04/04/2023 11:50 AM
6410	Base Language	Feature	Review	Normal	implement additional built-in OO classes/interfaces	Marian Edu	03/27/2024 05:07 PM
6409	Conversion Tools	Support	New	Normal	generate "railroad style" syntax diagrams for the progress parser		03/03/2023 02:04 PM
6408	Conversion Tools	Feature	New	Normal	add and fix some Analytics reports		05/25/2022 12:37 PM
6407	Base Language	Feature	Review	Normal	name_map.xml improvements	Galya B	04/15/2024 07:03 AM
6399	Base Language	Bug	Closed	Normal	ENCRYPT/DECRYPT built-in function results different than 4GL when IV is shorter than required	Theodoros Theodorou	02/16/2023 07:15 AM
6379	Database	Feature	New	Normal	buffer parameters can work as structural matches (without field name matching)		05/20/2022 07:47 AM
6377	Runtime Infrastructure	Feature	New	Normal	provide tooling (and UI in the admin interface) to manage appserver agents (start/stop/bounce)		01/30/2023 08:50 AM
6373	Base Language	Feature	New	Normal	direct Java object access to converted Java code from in-JVM non-converted Java code		06/15/2022 05:37 PM
6372	Database	Feature	New	Normal	add a 4GL syntax extension to drop a database table while the database is online/the application is connected		05/17/2022 09:58 AM
6371	Database	Feature	Closed	Normal	implement SAVE CACHE statement	Boris Schegolev	09/06/2023 07:00 AM
6364	Runtime Infrastructure	Feature	New	Normal	implement an option to use Tomcat instead of Jetty as the embedded webserver/servlet container in the FWD server		08/24/2022 05:39 PM
6348	Database	Feature	WIP	Normal	implement support for MariaDB	Ovidiu Maxiniuc	02/03/2023 10:50 AM
6347	Database	Feature	WIP	Normal	change the name conversion to provide a configurable option to not emit "snake case"	Eric Faulhaber	10/31/2023 04:49 PM
6346	Database	Feature	New	Normal	coordinate non-converted code JDBC database edits within the 4GL application transaction		05/10/2022 09:17 PM
6343	Base Language	Feature	New	Normal	class-based appserver exports		05/10/2022 02:39 PM
6342	Base Language	Feature	New	Normal	provide a simple mechanism to call into converted code		05/10/2022 01:06 PM
6341	Runtime Infrastructure	Support	New	Normal	evaluate JNA as a replacement for LIBFFI and/or our built-in COM bridge		05/10/2022 12:53 PM
6340	Runtime Infrastructure	Support	New	Normal	move JNI and native dependencies into the jar		05/10/2022 12:33 PM
6320	Conversion Tools	Feature	New	Normal	sharded schemata		08/24/2022 04:52 PM
6319	Conversion Tools	Feature	New	Normal	IntelliJ plugin		02/10/2023 09:34 AM
6308	Conversion Tools	Bug	New	Normal	post string literal alternative coding quirk in 4GL preprocessor		04/29/2022 01:49 PM
6300	Base Language	Feature	Closed	Normal	class definitions with USE-WIDGET-POOL	Constantin Asofiei	04/04/2023 10:08 AM
6292	Base Language	Feature	New	Normal	nested catch blocks		04/25/2022 01:20 PM
6280	Base Language	Feature	New	Normal	date literal // quirk		05/26/2022 03:24 PM
6270	Conversion Tools	Feature	New	Normal	annotations-based per-file hints		04/11/2022 11:25 AM

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6265	Harness	Feature	New	Normal	generate junit-compatible xml results for output		08/18/2022 09:39 AM
6256	Conversion Tools	Feature	WIP	Normal	improved profile support	Constantin Asofiei	03/30/2023 06:51 AM
6255	Conversion Tools	Feature	WIP	Normal	simplify the namespace configuration, part deux	Ovidiu Maxiniuc	04/26/2022 08:52 AM
6253	Conversion Tools	Feature	Closed	Normal	add file-set processing into p2j.cfg.xml	Constantin Asofiei	04/19/2022 12:02 PM
6252	Conversion Tools	Feature	New	Normal	cleanup of p2j.cfg.xml	Constantin Asofiei	02/28/2024 09:43 AM
6237	Conversion Tools	Feature	Closed	Normal	OEUnit support	Vladimir Tsichevski	09/08/2023 11:45 AM
6208	Build and Source Control	Bug	Closed	Normal	cleanup build warnings	Tomasz Domin	04/27/2023 11:41 AM
6203	Conversion Tools	Feature	Closed	Normal	create cvtpath and move conversion database into that directory	Constantin Asofiei	04/13/2022 09:20 AM
6202	Conversion Tools	Feature	Closed	Normal	allow .df files to exist in a path that is not directly in data/	Ovidiu Maxiniuc	06/06/2022 01:32 PM
6187	Database	Feature	New	Normal	eliminate explicit buffer usage in can-find		03/25/2022 06:27 AM
6183	Build and Source Control	Feature	WIP	Normal	design and implement (as needed) the approach for writing automated 4GL compatibility tests		05/26/2023 08:10 AM
6161	Base Language	Feature	New	Normal	add support for DYNAMIC-PROPERTY() built-in function and DYNAMIC-PROPERTY language statement		05/26/2022 07:49 AM
6085	Runtime Infrastructure	Bug	New	Normal	NIO SSL hang when starting batch processes from the server		02/21/2022 08:48 AM
6084	Runtime Infrastructure	Bug	Test	Normal	NIO SSL performance is slower than standard Java SSL	Igor Skornyakov	07/14/2022 11:44 AM
6083	Conversion Tools	Feature	New	Normal	schema (.df) changes in incremental conversion mode should only reconvert those programs that reference the changed schema		02/21/2022 08:39 AM
6026	User Interface	Bug	New	Normal	line drawing issue in WebGL renderer		01/31/2022 08:43 AM
5917	Conversion Tools	Bug	Closed	Normal	ReportDriver abend	Greg Shah	12/21/2021 02:43 PM
5901	Base Language	Bug	New	Normal	at least some 4GL warnings need to process differently when the current scope has a catch block		12/15/2021 04:45 PM
5896	Runtime Infrastructure	Feature	WIP	Normal	enhance legacy REST support to provide better pure Java development	Constantin Asofiei	04/22/2022 01:27 PM
5883	Database	Feature	New	Normal	use UUIDs to associate locations in the converted source code with lock operations		12/08/2021 02:49 PM
5819	Conversion Tools	Feature	New	Normal	update standard project build.xml to provide targets for backup/restore		11/11/2021 03:10 PM
5797	User Interface	Bug	New	Normal	Drawing with null widget		11/02/2021 11:00 AM
5784	User Interface	Feature	New	Normal	multi-factor authentication		10/29/2021 10:32 AM
5776	Runtime Infrastructure	Feature	Test	Normal	reduce memory requirements for the FWD client	Tomasz Domin	10/17/2022 09:50 AM
5767	User Interface	Feature	New	Normal	in virtual desktop mode, we should disallow the user from moving a window outside of the "desktop" (browser window)		12/20/2021 05:43 AM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
5744	Base Language	Bug	Closed	Normal	failure processing shutdown hook to delete a temp directory	Vladimir Tsichevski	10/20/2021 07:18 PM
5742	User Interface	Feature	Test	Normal	improve web client startup time	Tomasz Domin	06/20/2022 08:45 AM
5729	Base Language	Feature	New	Normal	implement polymorphic reflection support for properties and variables		10/28/2021 04:18 AM
5703	Runtime Infrastructure	Bug	Closed	Normal	rationalize, standardize and simplify the client-side log file name configuration	Galya B	06/09/2023 08:49 AM
5701	Runtime Infrastructure	Bug	Closed	Normal	logfile names for -O outputToFile use the spawner pid instead of the Java (FWD client process) pid	Galya B	04/06/2023 07:45 AM
5699	Runtime Infrastructure	Bug	Closed	Normal	broken logfile name on Windows appserver clients (and probably other cases on Windows)	Galya B	12/12/2022 04:34 PM
5691	Base Language	Bug	New	Normal	deviation in error generation for invalid method/property chaining		09/29/2021 09:13 AM
5680	Runtime Infrastructure	Feature	New	Normal	improve error reporting during spawning, authentication and client startup		09/23/2021 05:58 AM
5664	Conversion Tools	Bug	Closed	Normal	treeview parent node conversion issue	Vladimir Tsichevski	09/16/2021 10:33 AM
5662	Base Language	Feature	New	Normal	add -WSDLAuth and -SSLAuth (and related) connect options for the web-services handle		09/08/2021 12:26 PM
5630	Conversion Tools	Feature	New	Normal	add missing classes referenced during parsing to the conversion list in file list mode		08/31/2021 07:27 AM
5613	Base Language	Bug	New	Normal	4GL built-in functions throw IllegalArgumentException		08/20/2021 12:07 PM
5586	Conversion Tools	Feature	New	Normal	move all conversion artifacts/outputs into the cvtdb or into a dedicated directory sub-tree that is separate from the original 4GL code/schema inputs		08/05/2021 11:36 AM
5585	Runtime Infrastructure	Support	New	Normal	rework SessionToken to hide the implementation/eliminate external access to the token itself		08/04/2021 09:59 AM
5584	User Interface	Support	New	Normal	WidgetRegistry.getComponent() is expensive and can be optimized		08/04/2021 07:50 AM
5583	User Interface	Support	New	Normal	MenuGuiImpl redraws everything when only a subset of drawing is needed		08/04/2021 07:47 AM
5582	User Interface	Bug	New	Normal	webgl renderer is significantly slower than canvas2d (performance regression)		08/04/2021 07:33 AM
5568	Runtime Infrastructure	Support	New	Normal	implement application-specific TERMINFO database overrides	Eugenie Lyzenko	06/22/2023 08:56 AM
5567	Runtime Infrastructure	Support	Closed	Normal	move FWD to Java 11	Tomasz Domin	11/08/2022 02:04 PM
5510	User Interface	Feature	New	Normal	delegated click mode for SYSTEM-DIALOG GET-FILE		07/02/2021 11:51 AM
5401	User Interface	Feature	New	Normal	add 4GL syntax option to SYSTEM-DIALOG GET-FILE to lock the user into a given root path		06/03/2021 11:02 AM
5399	Conversion Tools	Bug	New	Normal	schema parsing failure when a string literal ends in a tilde		06/02/2021 07:17 PM
5354	Runtime Infrastructure	Support	New	Normal	usage of GraalVM for better performance		05/19/2021 10:10 AM
5279	Runtime Infrastructure	Feature	New	Normal	add support for an optional maintenance program that executes before any other sessions are allowed to run		04/23/2021 04:04 AM
5276	Base Language	Bug	New	Normal	resolve issues with multi-byte character processing		09/13/2023 08:17 AM
5262	Runtime Infrastructure	Feature	New	Normal	add access control for resources exposed via web services/protocols using the SecurityManager		04/22/2021 10:11 AM

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5254	User Interface	Bug	New	Normal	FWD extension control must follow the lifetime of the counterpart 4GL OCX/ActiveX		04/12/2021 07:25 AM
5184	Runtime Infrastructure	Feature	New	Normal	enable non-SSL mode for Jetty		03/06/2021 01:29 PM
5170	Runtime Infrastructure	Feature	New	Normal	add support for cloud-based load balancing and WAF		03/08/2021 11:11 AM
5167	Build and Source Control	Support	Closed	Normal	using static linking to eliminate the need to patch the system-wide ncurses	Eugenie Lyzenko	12/13/2023 06:43 AM
5166	Build and Source Control	Bug	Closed	Normal	libp2j.so links to unpatched ncurses 6.2 instead of the patched ncurses 5.9	Greg Shah	02/26/2021 09:43 AM
5165	Database	Feature	New	Normal	disallow usage of an incompatible database instance		02/25/2021 09:42 AM
5162	Harness	Feature	New	Normal	add REST and SOAP directives		02/23/2021 03:12 PM
5155	Runtime Infrastructure	Feature	New	Normal	make it easier to deploy custom servlets into the FWD server		02/23/2021 10:07 AM
5153	User Interface	Bug	New	Normal	improvements to down body processing		02/19/2021 07:24 AM
5150	User Interface	Bug	New	Normal	killing the web page for the web client should raise the equivalent of a window-close event	Constantin Asofiei	01/13/2022 10:57 AM
5146	Base Language	Feature	New	Normal	record additional legacy class and method data in annotations		02/21/2021 11:28 AM
5137	Conversion Tools	Bug	Closed	Normal	any text following a # character in the include or exclude file list is ignored	Greg Shah	07/08/2021 11:54 AM
5135	Conversion Tools	Bug	Closed	Normal	replace -s, -f and -x options of ConversionDriver with a single combined mode	Constantin Asofiei	04/18/2022 05:45 AM
5131	Database	Feature	New	Normal	improve management of the cluster and database instances from build.xml		02/04/2021 12:58 PM
5130	Database	Feature	Rejected	Normal	improve management of p2jpl.jar in deployment scripts		06/09/2023 09:11 AM
5118	User Interface	Bug	WIP	Normal	TREELIST widget issues	Vladimir Tsichevski	07/19/2022 10:44 AM
5113	Base Language	Feature	Rejected	Normal	implement c'tor overloading for cases where type erasure is an issue		06/02/2022 03:54 PM
5095	Database	Feature	New	Normal	complete the shift from field names to bitsets		01/20/2021 02:31 PM
5085	Database	Bug	New	Normal	uppercasing and string comparisons are incorrect for some character sets		01/15/2021 11:48 AM
5061	Runtime Infrastructure	Feature	New	Normal	implement a tool to simpify the deployment/install of a converted application		12/28/2020 09:27 PM
5060	Runtime Infrastructure	Feature	New	Normal	make it easy to configure and setup the runtime		12/28/2020 09:44 PM
5059	Runtime Infrastructure	Feature	New	Normal	make it easy to install FWD		12/28/2020 06:09 PM
5058	Runtime Infrastructure	Feature	New	Normal	write installer for binary FWD distribution		12/28/2020 06:11 PM
5025	Base Language	Bug	Closed	Normal	syserror, jsonerror...	Constantin Asofiei	01/27/2021 01:17 PM
5011	Base Language	Bug	New	Normal	unimplemented OO 4GL quirks and bugs		11/20/2020 09:16 AM
5009	Base Language	Feature	Closed	Normal	add OS-USERID function as 4GL extension	Greg Shah	03/19/2021 07:29 AM
5000	Conversion Tools	Feature	New	Normal	create a UI for managing the entire process/lifecyce of a conversion project		11/05/2020 10:56 AM
4999	Conversion Tools	Support	New	Normal	pre-converted Possenet		11/05/2020 10:31 AM
4998	Conversion Tools	Feature	New	Normal	improve automatic calculation of ADM/ADM2 call graph linkages		11/05/2020 10:21 AM
4997	Conversion Tools	Feature	New	Normal	pre-define Possenet call-graph hints		11/05/2020 10:18 AM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
4955	User Interface	Support	Closed	Normal	web client/javascript drawing - fast vs crisp	Sergey Ivanovskiy	08/04/2021 02:29 PM
4928	Database	Support	New	Normal	rewrite FieldReference to use lambdas instead of reflection		09/29/2020 10:57 AM
4912	User Interface	Feature	New	Normal	move UI portions of the web client to the server-side		09/24/2020 11:52 AM
4856	User Interface	Feature	Closed	Normal	web client session forking	Galya B	02/07/2024 01:51 PM
4855	Base Language	Feature	Closed	Normal	add a 4GL extension SESSION:SESSION-ID attribute which returns a UUID which uniquely identifies a FWD session	Galya B	07/19/2023 11:05 AM
4854	User Interface	Feature	Closed	Normal	origin affinity	Galya B	02/07/2024 01:56 PM
4853	User Interface	Feature	Test	Normal	implement support for reporting a device-id which is meant to identify a unique client system/browser accessing the FWD server	Galya B	03/13/2024 08:58 AM
4828	Base Language	Feature	Test	Normal	rework ErrorManager to use the TransactionHelper design on the server and a sync'd state design on the client	Greg Shah	08/20/2020 08:19 PM
4768	Base Language	Feature	Closed	Normal	finish copy-lob support	Ovidiu Maxiniuc	04/08/2021 06:53 AM
4767	Base Language	Bug	New	Normal	memptr set-size() issue		07/15/2020 02:56 PM
4766	Base Language	Bug	New	Normal	fix CHR and ASC		04/05/2023 12:43 PM
4765	Base Language	Feature	New	Normal	MAP/NO-MAP support		07/15/2020 02:45 PM
4764	Base Language	Feature	New	Normal	make modifications to FWD so that all I18N testcases work properly		07/15/2020 02:21 PM
4763	Base Language	Feature	New	Normal	replace any hard coded dependencies on charset processing		07/15/2020 02:51 PM
4762	Base Language	Feature	New	Normal	localize system error messages		04/08/2021 10:07 AM
4761	Base Language	Feature	New	Normal	I18N phase 3		04/07/2021 09:39 AM
4723	Database	Feature	New	Normal	make it significantly easier to run database import		08/10/2021 05:53 PM
4722	Database	Feature	Test	Normal	data import should be able to run with only the converted application jar file (and FWD)	Ovidiu Maxiniuc	01/23/2024 12:28 PM
4682	Base Language	Bug	Closed	Normal	modify FILE-INFO processing to honor searches for 4GL programs	Constantin Asofiei	05/27/2021 04:18 PM
4661	User Interface	Feature	Closed	Normal	add support for missing formats to image loading	Sergey Ivanovskiy	04/09/2021 09:47 AM
4658	Base Language	Feature	WIP	Normal	OO serialization support		10/10/2023 08:31 AM
4657	Base Language	Support	WIP	Normal	memory overhead from preloading classes with LegacySignature	Constantin Asofiei	06/20/2020 12:10 PM
4629	Base Language	Feature	New	Normal	implement fully compatible 4GL collections (backed by protected temp-tables)		04/27/2020 10:02 AM
4609	User Interface	Feature	New	Normal	rework scrolling approach to use an cleaner, MVC design		04/08/2020 09:05 AM
4557	User Interface	Bug	New	Normal	radio-set deviations from the 4GL GUI		11/18/2021 10:23 AM
4553	Runtime Infrastructure	Support	New	Normal	create an "install checker" that can be run on Windows or Linux to confirm that an installation is complete and correct		02/21/2020 07:15 AM
4552	Runtime Infrastructure	Support	New	Normal	deliver FWD as a pre-built binary distribution		02/19/2020 05:51 PM
4550	Database	Support	Closed	Normal	eliminate the need to place the p2jspi.jar in the JVM extension directory		06/08/2023 05:13 AM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
4549	Runtime Infrastructure	Support	New	Normal	reduce/eliminate installation dependencies		02/19/2020 02:11 PM
4517	User Interface	Feature	Closed	Normal	optionally back the 4GL features for Registry access with the user-specific offline storage features	Roger Borrello	03/28/2024 01:47 PM
4516	Database	Feature	New	Normal	testing and completion of runtime compatibility for table/table-handle/dataset/dataset-handle parameter options	Ovidiu Maxiniuc	09/13/2023 08:17 AM
4514	Database	Feature	WIP	Normal	run ProDataSet test suite in FWD and resolve any issues such that it works the same way as in the 4GL	Ovidiu Maxiniuc	09/13/2023 08:18 AM
4493	Conversion Tools	Feature	New	Normal	create a runner process which makes it a simple one-step-process to convert and execute an arbitrary set of 4GL code		01/07/2020 09:07 AM
4452	User Interface	Feature	New	Normal	expose some specific FWD client state		12/06/2019 12:42 PM
4451	User Interface	Feature	New	Normal	implement theme-specific resource pathing		12/06/2019 12:47 PM
4438	User Interface	Feature	WIP	Normal	parsing and conversion of .wrx files	Marius Gligor	02/20/2022 04:16 AM
4418	Database	Feature	New	Normal	improve/fix temp-table naming approach		11/19/2019 09:19 AM
4417	Base Language	Feature	New	Normal	features to allow direct usage of _progres (and related executables) to be supported in FWD		11/18/2019 02:52 PM
4416	User Interface	Bug	New	Normal	scrollbar issues		11/14/2019 03:56 PM
4415	User Interface	Bug	New	Normal	combo-box item selection via screen-value assignment has deviations		11/14/2019 12:54 PM
4406	Runtime Infrastructure	Feature	New	Normal	server-side REST execution without appserver agents		06/02/2022 10:53 AM
4405	Runtime Infrastructure	Feature	Closed	Normal	provide the capability to deliver static HTML and resources via the FWD server's Jetty	Sergey Ivanovskiy	05/26/2021 07:48 AM
4400	Database	Feature	New	Normal	add /* UUID */ in where clause comment for every 4GL query so that SQL logging can easily be mapped back to the specific 4GL query being processed		11/11/2019 04:23 PM
4399	Database	Feature	New	Normal	support session level "schema" switching		11/11/2019 02:06 PM
4397	Database	Feature	Closed	Normal	add database attrs, methods and options	Ovidiu Maxiniuc	02/19/2021 10:48 AM
4396	Base Language	Feature	Closed	Normal	add LONGCHAR support to X-DOCUMENT:LOAD()	Ovidiu Maxiniuc	04/01/2021 03:24 PM
4395	Base Language	Feature	Closed	Normal	add support for KEEP-MESSAGES option	Roger Borrello	06/20/2020 12:00 PM
4394	User Interface	Feature	Closed	Normal	add some frame options and attributes	Roger Borrello	06/20/2020 12:00 PM
4393	User Interface	Feature	Closed	Normal	add TITLE-DCOLOR attribute support	Roger Borrello	06/20/2020 12:00 PM
4392	Base Language	Feature	Test	Normal	add -pf support for appserver CONNECT() method	Galya B	02/20/2024 09:56 AM
4391	Base Language	Feature	Closed	Normal	enhance existing SESSION:STARTUP-PARAMETERS support to honor -H -db -S -ld -N values	Theodoros Theodorou	08/11/2023 10:52 AM
4389	Conversion Tools	Feature	New	Normal	escape support for supplementary unicode characters		11/07/2019 06:52 PM
4382	Base Language	Feature	Closed	Normal	implement configurable directory override for PROGRESS global variable	Theodoros Theodorou	03/27/2023 03:37 AM
4381	Base Language	Feature	Closed	Normal	implement LIBRARY() and MEMBER() built-in functions	Roger Borrello	06/20/2020 11:58 AM
4380	Base Language	Feature	New	Normal	finish work on some security features		11/03/2019 06:08 AM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
4378	Base Language	Feature	Closed	Normal	properly handle clob/lonchar assignment, especially the implicit codepage conversion	Ovidiu Maxiniuc	04/08/2021 06:52 AM
4376	Database	Support	New	Normal	test replication trigger implementation		10/30/2019 10:39 AM
4375	Database	Feature	Closed	Normal	add support for -pf <profile_filename> option for CONNECT statement	Igor Skornyakov	06/20/2020 11:56 AM
4374	Base Language	Feature	New	Normal	parameter validation for Progress.Lang.Class:invoke and new		10/30/2019 09:54 AM
4373	Base Language	Feature	New	Normal	finish core OO 4GL support		10/30/2019 09:53 AM
4369	Database	Feature	New	Normal	implement stateless FWD server clustering		05/17/2022 10:51 AM
4366	Base Language	Feature	Closed	Normal	support TLS 1.2 and other updated secure socket protocols	Roger Borrello	09/16/2021 07:16 PM
4286	User Interface	Feature	Closed	Normal	support user-specific offline storage that is provided by the client's UI driver	Sergey Ivanovskiy	09/25/2019 08:06 AM
4285	Base Language	Feature	New	Normal	extend cross-session pub/sub to allow subscriptions/notifications between multiple FWD servers		09/05/2019 07:43 AM
4203	User Interface	Feature	Closed	Normal	expose some web-client details as 4GL global variables	Galya B	02/07/2024 02:45 PM
4199	User Interface	Feature	New	Normal	implement a data visualization widget which can be used for a wide range of data-bound charts and animations		03/13/2020 03:43 PM
4182	User Interface	Feature	Closed	Normal	KERNEL32:SLEEP() emulation	Roger Borrello	03/23/2021 02:36 PM
4181	User Interface	Feature	Closed	Normal	GetComputerNameA emulation	Roger Borrello	03/23/2021 02:35 PM
4179	User Interface	Feature	Closed	Normal	create a standalone native launcher (Windows EXE and Linux/UNIX version) which can be registered as a browser's application helper for the "application/fwd-local-launcher" mime type	Roger Borrello	03/23/2021 02:40 PM
4174	User Interface	Feature	Closed	Normal	implement calendar control/dtpicker OCX replacement	Sergey Ivanovskiy	03/30/2021 06:20 PM
4170	User Interface	Feature	Closed	Normal	add drag and drop support to treeview widget	Sergey Ivanovskiy	02/26/2021 02:36 PM
4164	User Interface	Feature	WIP	Normal	implement misc UI features (frame options, misc attributes)	Stanislav Lomany	05/04/2021 02:45 PM
4163	Database	Bug	Closed	Normal	SHARED non-NEW buffer definitions must act as the equivalent of FIND or CREATE		03/23/2021 12:17 PM
4162	Base Language	Feature	Closed	Normal	enhance existing SESSION:STARTUP-PARAMETERS support to honor -ininame value		06/20/2020 11:59 AM
4149	Base Language	Bug	New	Normal	BlockManager and TransactionManager handle TransactionType.NONE incorrectly		10/31/2022 10:30 AM
4135	User Interface	Bug	Review	Normal	high dpi screens display in low dpi	Sergey Ivanovskiy	06/06/2020 12:15 PM
4134	User Interface	Support	New	Normal	reduce the processing for calculated columns		07/04/2019 11:58 AM
4133	Base Language	Support	New	Normal	reduce use of throw for control flow		07/04/2019 11:52 AM
4132	Runtime Infrastructure	Feature	Closed	Normal	implement configurable user and session limits	Greg Shah	09/22/2021 06:16 PM
4129	User Interface	Feature	Closed	Normal	map web client users to OS accounts	Galya B	02/07/2024 01:52 PM
4128	Database	Feature	New	Normal	defer transaction start until the time when real edits begin		07/03/2019 04:14 PM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
4122	Runtime Infrastructure	Bug	Closed	Normal	spawner segmentation fault when OS user has no password set	Eugenie Lyzenko	03/13/2020 03:38 PM
4113	User Interface	Feature	Closed	Normal	enable upload of files from the browser (in the web clients) using SYSTEM-DIALOG GET-FILE	Hynek Cihlar	02/12/2020 04:15 PM
4105	Conversion Tools	Feature	Closed	Normal	improve flexibility of schema loading	Ovidiu Maxiniuc	12/06/2021 08:19 AM
4104	Conversion Tools	Feature	New	Normal	allow mapping of absolute paths to project relative paths		05/30/2019 10:30 AM
4087	Runtime Infrastructure	Feature	New	Normal	take component-specific code which is coded inline in the StandardServer initialization today and move it back into those components		05/22/2019 12:34 PM
4086	Runtime Infrastructure	Support	New	Normal	review the RemoteObject exports in StandardServer and other common runtime classes for security implications		03/08/2021 07:15 AM
4085	Conversion Tools	Bug	New	Normal	failure parsing RUN statement filenames with embedded unmatched quotes		05/21/2019 08:01 AM
4082	Conversion Tools	Bug	New	Normal	strong buffer scope can resolve ambiguous names		05/17/2019 01:19 PM
4080	Database	Support	New	Normal	AWS Aurora support		11/10/2019 10:24 AM
4077	User Interface	Feature	Closed	Normal	add option to OPEN-MIME-RESOURCE to delete the original source file when the send is complete	Sergey Ivanovskiy	01/31/2020 01:33 PM
4076	Conversion Tools	Feature	New	Normal	remove empty triggers during conversion		05/11/2021 08:05 PM
4065	Base Language	Feature	WIP	Normal	server-side processing of client platform dependencies	Hynek Cihlar	01/12/2024 04:54 AM
4064	Base Language	Feature	New	Normal	large-raw data type		05/02/2019 10:19 AM
4063	Database	Support	New	Normal	linking looping FIND FIRST/NEXT and FIND LAST/PREV in a set oriented operation		05/01/2019 02:14 PM
4062	User Interface	Support	New	Normal	getChanges() performance improvements		05/01/2019 01:25 PM
4061	Base Language	Support	New	Normal	base language performance work		08/01/2022 10:22 AM
4059	User Interface	Support	New	Normal	UI performance improvements (master task)		05/01/2019 11:25 AM
4058	Database	Support	New	Normal	consider denormalizing tables as the default approach		11/01/2022 08:32 AM
4057	Database	Bug	New	Normal	h2 performance degradation	Stanislav Lomany	01/23/2024 04:31 PM
4049	User Interface	Feature	New	Normal	implement mouse wheel for combo-boxes		04/22/2019 06:32 PM
4043	Bugs	Bug	New	Normal	Eclipse static code analysis potential issues	Igor Skornyakov	04/19/2019 06:06 AM
4033	Database	Feature	WIP	Normal	avoid query for FIND unique when the current record in the buffer would match the query result	Ovidiu Maxiniuc	07/22/2020 05:20 PM
4032	Base Language	Support	New	Normal	block/transaction processing context-local and other performance improvements		08/31/2023 06:34 AM
4012	Database	Feature	Review	Normal	replacing TCP/IP (AF_INET) sockets with Unix Domain Sockets (AF_UNIX)		09/10/2019 03:36 PM
4011	Database	Feature	Closed	Normal	database/persistence layer performance improvements		10/07/2022 06:57 AM
3971	Conversion Tools	Feature	WIP	Normal	add support for unicode escape sequences in the preprocessor	Alexandru Lungu	02/23/2024 07:14 AM
3961	Database	Bug	New	Normal	"Unexpected code path" failure when using H2 in MVCC mode		11/22/2019 12:56 PM
3960	Database	Bug	Closed	Normal	localedef problems in Ubuntu 18.04	Greg Shah	11/13/2019 04:17 PM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
3940	User Interface	Feature	Closed	Normal	CREATE-RESULT-LIST-ENTRY() method support	Stanislav Lomany	10/12/2019 10:19 AM
3931	User Interface	Feature	Closed	Normal	single sign-on for virtual desktop mode	Galya B	02/07/2024 02:46 PM
3930	Database	Feature	Closed	Normal	allow session level control over the database(s) which are auto-connected	Igor Skornyakov	06/14/2021 08:07 AM
3908	User Interface	Feature	Closed	Normal	implement browse column VIEW-AS COMBO-BOX	Stanislav Lomany	01/21/2020 09:13 AM
3883	Conversion Tools	Feature	New	Normal	eclipse plug for developing 4GL code using FWD including editing, syntax checks, running conversion		02/10/2023 09:34 AM
3882	Conversion Tools	Feature	New	Normal	changes to allow the front-end to be used for 4GL syntax checking		01/15/2019 04:50 PM
3881	Conversion Tools	Feature	New	Normal	output actual file and line/column for all outputs in conversion/analytics		01/15/2019 04:47 PM
3880	User Interface	Feature	WIP	Normal	enhanced browse 3rd phase of improvements	Stanislav Lomany	08/02/2021 03:23 PM
3876	User Interface	Feature	Closed	Normal	add support for "direct font control" at the widget level	Hynek Cihlar	06/20/2020 11:52 AM
3875	User Interface	Feature	New	Normal	finish dynamic layout implementation		01/11/2019 04:18 PM
3872	Database	Feature	New	Normal	implement a two stage import process		02/27/2019 01:00 PM
3871	Database	Support	Closed	Normal	determine how to change codepages/locales during import	Ovidiu Maxiniuc	06/14/2021 02:57 PM
3870	Database	Feature	New	Normal	enhance conversion and import to make it feasible for multiple OpenEdge databases to be merged into a single database in the converted system		01/22/2019 12:16 PM
3869	Base Language	Feature	New	Normal	enhance JasperReports support with sub-reports and ProDataSets		05/04/2020 05:45 PM
3868	Base Language	Feature	Test	Normal	customer servlet integration/support	Constantin Asofiei	07/03/2023 01:44 PM
3867	Base Language	Feature	Closed	Normal	direct java class access from 4GL code	Greg Shah	03/13/2020 03:39 PM
3866	User Interface	Feature	Closed	Normal	finish TreeView widget	Hynek Cihlar	08/22/2019 10:24 AM
3858	User Interface	Feature	Closed	Normal	implement a widget that replaces the Microsoft ProgressBar OCX (VB 6.0 common control)	Marius Gligor	02/04/2020 09:32 AM
3857	User Interface	Feature	New	Normal	implement a widget that replaces the Microsoft ListView OCX (VB 6.0 common control)		01/10/2019 12:32 PM
3856	User Interface	Feature	Closed	Normal	implement a widget that replaces the Microsoft ImageList OCX (VB 6.0 common control)	Marius Gligor	01/29/2020 05:34 PM
3855	Base Language	Feature	New	Normal	implement equivalent support for REST (classic appserver, PASOE REST and WEB transports)		10/10/2023 08:33 AM
3854	Base Language	Feature	Closed	Normal	update appserver support with PASOE features	Constantin Asofiei	10/09/2023 03:49 PM
3853	Base Language	Feature	New	Normal	implement LOG-MANAGER runtime	Galya B	08/07/2023 08:53 AM
3819	Runtime Infrastructure	Feature	New	Normal	PROFILER system handle		06/20/2020 12:01 PM
3817	Base Language	Feature	Closed	Normal	create resource bundles from string literals and implement optional support for setting values from the translation manager database	Hynek Cihlar	01/10/2022 09:10 PM
3813	Database	Feature	Closed	Normal	misc DB features part deux	Igor Skornyakov	04/12/2021 06:40 AM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
3812	Base Language	Feature	Closed	Normal	additions to SESSION system-handle	Constantin Asofiei	06/20/2020 11:58 AM
3811	User Interface	Feature	Closed	Normal	more misc UI features	Marius Gligor	10/10/2019 09:28 AM
3810	Base Language	Feature	Closed	Normal	SECURITY-POLICY and other security features	Igor Skornyakov	05/26/2022 03:44 PM
3809	Database	Feature	Closed	Normal	ProDataSet support	Ovidiu Maxiniuc	01/22/2020 05:49 PM
3762	User Interface	Feature	Closed	Normal	misc UI features	Constantin Asofiei	04/16/2019 08:46 AM
3761	Database	Feature	Closed	Normal	add DYNAMIC-FUNCTION() support to the dynamic database WHERE clause interpreter	Ovidiu Maxiniuc	05/01/2019 04:58 PM
3760	Database	Feature	Closed	Normal	temp-table options	Ovidiu Maxiniuc	12/03/2018 09:37 AM
3759	Database	Feature	Closed	Normal	setup, test and document PostgreSQL on Windows	Eugenie Lyzenko	11/13/2019 12:05 PM
3758	Database	Feature	Closed	Normal	misc database features	Eric Faulhaber	11/06/2019 09:16 AM
3757	Database	Feature	WIP	Normal	add metadata support	Ovidiu Maxiniuc	05/08/2020 03:20 AM
3756	Base Language	Feature	WIP	Normal	minor modifications for SESSION system handle support	Constantin Asofiei	12/04/2018 02:07 PM
3755	Base Language	Feature	Closed	Normal	DEBUGGER system handle stubs	Constantin Asofiei	12/04/2018 05:12 PM
3754	Base Language	Feature	Closed	Normal	TRANSACTION resource support	Constantin Asofiei	11/13/2018 04:22 PM
3753	Base Language	Feature	Closed	Normal	I18N additions		07/15/2020 03:11 PM
3752	Base Language	Feature	Closed	Normal	CLIENT-PRINCIPAL resource and other security features	Constantin Asofiei	12/03/2018 09:08 AM
3751	Base Language	Feature	Closed	Normal	implement support for OO 4GL and structured error handling	Greg Shah	10/30/2019 09:59 AM
3741	Base Language	Feature	Closed	Normal	implement complete support for the CALL object handle and related attributes and methods	Constantin Asofiei	11/08/2018 04:15 PM
3711	Conversion Tools	Bug	New	Normal	resolve remaining orphaned comments cases		09/14/2018 12:48 PM
3704	User Interface	Feature	New	Normal	enable automated testing for GUI (Swing and web clients)		08/23/2023 10:28 AM
3703	Conversion Tools	Feature	New	Normal	add lint reports		08/28/2018 10:07 AM
3701	Conversion Tools	Feature	Closed	Normal	create a logic/control flow chart "view" for top-level blocks which will be available as part of Code Analytics	Constantin Asofiei	10/04/2018 03:15 PM
3699	Conversion Tools	Feature	Closed	Normal	improve call-graph visualization to make it much more usable	Constantin Asofiei	04/06/2022 05:20 PM
3698	Conversion Tools	Feature	New	Normal	use call-graph analysis to link shared resource usage to the original resource definition		08/23/2018 09:19 PM
3697	Conversion Tools	Feature	New	Normal	provide a web UI to edit/manage call-graph hints and the root node list		08/23/2018 09:41 AM
3696	Conversion Tools	Feature	WIP	Normal	implement Progress AST anti-parser	Greg Shah	12/06/2018 08:20 AM
3695	Conversion Tools	Feature	New	Normal	instrument 4GL code for automated call-graph hint generation		08/24/2018 10:00 AM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
3693	User Interface	Bug	Rejected	Normal	web client dragging titlebar drops the window while still dragging		08/21/2018 11:29 AM
3692	User Interface	Bug	New	Normal	invalid handle in tree view		08/21/2018 11:05 AM
3691	User Interface	Bug	New	Normal	literal $ character in format appears on the right side of the fill-in	Alexei Kaigorodov	08/08/2019 05:22 PM
3681	User Interface	Feature	New	Normal	replace the window decorations with a lightweight implementation		08/17/2018 11:14 AM
3640	User Interface	Bug	Closed	Normal	using font or color choosing dialogs more than once in the web client hangs the client	Ovidiu Maxiniuc	07/20/2018 10:03 AM
3621	User Interface	Feature	WIP	Normal	check if the MODIFIED attribute is reset by assignment of the SCREEN-VALUE when !inUIStmt		06/13/2018 10:02 AM
3575	User Interface	Bug	New	Normal	"implicit copy from screen buffer" version of the ASSIGN statement is broken		05/18/2018 01:46 PM
3574	Database	Feature	Closed	Normal	finish implementation of temp-table XML support	Ovidiu Maxiniuc	03/17/2021 04:36 PM
3560	User Interface	Bug	New	Normal	widget handles in the 4GL will compile with any valid attribute name even if it is not valid for that widget type		05/03/2018 11:29 AM
3558	Base Language	Feature	New	Normal	SEARCH("<program_name>.r") should return a value when there is a converted 4GL program that would match in the original system	Constantin Asofiei	05/25/2018 10:28 AM
3549	Database	Feature	New	Normal	implement RAW-TRANSFER statement		04/20/2018 11:41 AM
3506	Base Language	Feature	New	Normal	implement array support for COM automation methods and properties		03/09/2018 11:28 AM
3505	Base Language	Feature	New	Normal	implement CONNECT TO support for CREATE OBJECT		03/09/2018 11:25 AM
3504	User Interface	Bug	New	Normal	sizing and centering issues with button image loading		03/09/2018 10:49 AM
3500	Database	Feature	Closed	Normal	implement CLOB and BLOB support	Eric Faulhaber	02/25/2019 09:35 AM
3495	Database	Bug	Closed	Normal	invalid date initial value in schema causes a broken DMO constructor	Greg Shah	04/12/2018 06:45 AM
3474	User Interface	Feature	Closed	Normal	OPEN-MIME-RESOURCE	Sergey Ivanovskiy	04/15/2018 10:29 PM
3469	User Interface	Feature	Closed	Normal	final improvements and polish for the embedded mode web client	Constantin Asofiei	03/18/2019 03:16 PM
3468	Build and Source Control	Bug	Closed	Normal	invalid characters in source files	Eugenie Lyzenko	11/13/2019 11:57 AM
3467	Base Language	Feature	Closed	Normal	implement clipboard stream support	Sergey Ivanovskiy	02/28/2018 09:21 AM
3430	Base Language	Bug	Closed	Normal	non-shared temp-tables are registered with SVM	Constantin Asofiei	02/19/2018 11:28 AM
3406	Base Language	Bug	Closed	Normal	implement silent error mode as a lambda to allow aborting the control flow	Greg Shah	01/02/2018 03:47 PM
3396	Base Language	Feature	WIP	Normal	shift searchpath and other pathing lists in the directory to use the platform neutral comma	Greg Shah	11/30/2017 05:53 PM
3364	Database	Bug	New	Normal	problems with TABLE-HANDLE and TABLE parameters related to BY-REFERENCE		11/01/2017 09:38 AM
3363	Conversion Tools	Feature	New	Normal	implement a replacement for the XCODE utility that can also handle decrypting source code		07/17/2018 02:37 PM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
3362	Conversion Tools	Bug	Closed	Normal	parenthesized object references are not properly detected as an object reference in the parser	Greg Shah	08/21/2018 01:27 PM
3360	Conversion Tools	Bug	Closed	Normal	method return type can have an optional EXTENT qualifier	Greg Shah	08/21/2018 01:07 PM
3354	Conversion Tools	Bug	Closed	Normal	func_class return type not recognized	Greg Shah	08/21/2018 01:07 PM
3353	Conversion Tools	Bug	Closed	Normal	lexer num_literal should support hexadecimal literals	Greg Shah	08/21/2018 01:06 PM
3352	Conversion Tools	Bug	Closed	Normal	non-reserved keywords in temp-table field names	Greg Shah	08/21/2018 01:04 PM
3351	Conversion Tools	Bug	Closed	Normal	create widget assign clause doesn't parse the rvalue query qualifier	Greg Shah	08/21/2018 01:02 PM
3344	Conversion Tools	Feature	New	Normal	add database reports based on processing during conversion		09/28/2017 12:11 PM
3343	Base Language	Feature	Closed	Normal	implement a 4GL syntax extension and the runtime backing to send emails (including attachments)	Greg Shah	11/02/2017 05:58 AM
3342	Base Language	Feature	Closed	Normal	implement a facility to easily run a JasperReports report definition from 4GL code, passing data queried/calculated in that 4GL code	Stanislav Lomany	07/12/2018 10:34 AM
3339	Runtime Infrastructure	Support	New	Normal	rework the admin UI package javadoc to match the current advin v2 implementation		09/27/2017 04:04 AM
3338	Runtime Infrastructure	Bug	New	Normal	performance of large report PDF generation in admin UI is very slow		09/27/2017 04:08 AM
3331	User Interface	Feature	Closed	Normal	translate 4GL menu widget processing into a standardized embedded web client menu system	Constantin Asofiei	10/26/2017 12:06 PM
3326	Base Language	Feature	New	Normal	implement the equivalent to the .NET Open Client		05/13/2022 09:43 AM
3315	Database	Bug	WIP	Normal	infinite loop in mark_client_branch during annotations because of nest CAN-FINDs with temp and perm tables	Eric Faulhaber	08/24/2017 11:49 AM
3311	Conversion Tools	Bug	New	Normal	preprocessor hang that occurs when an include file positional argument that is mistakenly matched as a named argument		07/07/2017 01:25 PM
3310	Base Language	Feature	Closed	Normal	add support for the equivalent of the OpenEdge Web Services Adapter (and ProxyGen) and PASOE SOAP transport	Constantin Asofiei	10/10/2023 08:24 AM
3303	Runtime Infrastructure	Support	WIP	Normal	make the automated deployment process fully production ready	Roger Borrello	01/09/2024 09:21 AM
3298	Build and Source Control	Bug	Closed	Normal	libp2j build links with ncurses 5.9 when the proper version is 6.0	Eugenie Lyzenko	09/25/2019 01:14 PM
3296	Database	Feature	WIP	Normal	misc db features	Ovidiu Maxiniuc	04/06/2018 01:15 PM
3295	Database	Feature	Closed	Normal	improve connect options support per #3257-29	Eric Faulhaber	11/01/2017 09:31 AM
3294	Database	Feature	Closed	Normal	implement temp-table XML support from #3257-34	Eric Faulhaber	01/27/2021 08:29 AM
3293	Database	Feature	WIP	Normal	implement metaschema usage from #3257-3	Eric Faulhaber	08/24/2017 09:26 AM
3292	Base Language	Feature	Closed	Normal	i18n improvements	Ovidiu Maxiniuc	11/01/2017 02:30 PM
3291	User Interface	Feature	Closed	Normal	implement SYSTEM-DIALOG-COLOR	Ovidiu Maxiniuc	03/23/2018 03:05 PM
3290	User Interface	Feature	Closed	Normal	implement SYSTEM-DIALOG-FONT	Ovidiu Maxiniuc	03/23/2018 03:04 PM
3289	User Interface	Feature	Closed	Normal	implement SYSTEM-DIALOG-GET-DIR	Ovidiu Maxiniuc	03/23/2018 03:04 PM
3288	User Interface	Feature	New	Normal	support > 1 browser tabs for a single FWD java client instance		02/20/2024 08:43 AM
3287	User Interface	Feature	New	Normal	local web client installation		02/24/2018 12:16 PM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
3286	User Interface	Bug	Closed	Normal	fix features that can be relied upon to implement a limited form of dynamic resizing	Eugenie Lyzenko	04/16/2018 09:35 AM
3285	Base Language	Feature	Closed	Normal	add support for SESSION:SUPPRESS-WARNINGS and SESSION:STARTUP-PARAMETERS	Hynek Cihlar	10/09/2017 09:09 AM
3284	User Interface	Feature	Closed	Normal	implement more window widget support	Hynek Cihlar	10/02/2017 08:45 AM
3283	User Interface	Feature	New	Normal	add 4GL extension to obtain the mouse pointer location		02/16/2021 08:45 AM
3282	User Interface	Feature	Closed	Normal	create a 4GL language extension to control screen refresh	Hynek Cihlar	10/30/2017 10:32 AM
3281	User Interface	Feature	Closed	Normal	implement some frame options	Constantin Asofiei	04/22/2019 01:07 PM
3280	User Interface	Feature	Closed	Normal	implement editor methods	Ovidiu Maxiniuc	07/28/2017 09:47 AM
3279	User Interface	Feature	Closed	Normal	implement list management methods	Ovidiu Maxiniuc	07/28/2017 09:47 AM
3277	Conversion Tools	Feature	Closed	Normal	implement call-graph v3	Greg Shah	08/23/2018 10:44 AM
3275	User Interface	Feature	Closed	Normal	improve browse support	Stanislav Lomany	03/05/2018 03:08 PM
3274	Runtime Infrastructure	Support	Closed	Normal	create a "reference VM" for a FWD developer system, based on Ubuntu	Constantin Asofiei	01/28/2021 05:24 PM
3269	User Interface	Feature	Closed	Normal	implement optional enhanced mode for ABL GUI which supports dynamic layout	Hynek Cihlar	06/02/2021 03:45 PM
3267	User Interface	Bug	New	Normal	same field referenced twice in a frame		03/16/2017 02:49 PM
3265	Conversion Tools	Feature	New	Normal	enhance pphints to have references, expansions and details in and about directives		03/15/2017 09:58 AM
3262	Base Language	Feature	Closed	Normal	implement COM/OLE Automation support		03/09/2018 11:30 AM
3261	User Interface	Feature	Closed	Normal	enhanced browse that can optionally selected as a replacement for the default ABL browse	Stanislav Lomany	06/05/2019 09:46 AM
3260	User Interface	Feature	Closed	Normal	auto-conversion and enablement for the embedded web client	Constantin Asofiei	10/26/2017 12:06 PM
3259	User Interface	Feature	New	Normal	add useful web components that can be easily integrated into the embedded web client		03/07/2017 12:52 PM
3258	User Interface	Feature	New	Normal	improve javascript upcalls from the embedded client		03/07/2017 12:54 PM
3256	Conversion Tools	Bug	Closed	Normal	comments disappear inside strings when the preprocessor evaluates expressions	Greg Shah	03/15/2017 09:50 AM
3254	Base Language	Feature	WIP	Normal	add support for running 4GL on multiple threads in a single session	Greg Shah	03/13/2020 03:45 PM
3253	Base Language	Feature	WIP	Normal	add cross-session publish/subscribe	Constantin Asofiei	09/03/2019 02:10 PM
3251	Base Language	Bug	New	Normal	implement safe and secure processing of procedure manager parameters when up-called from javascript		02/22/2017 08:03 AM
3248	Documentation	Feature	New	Normal	documentation updates		02/12/2017 09:52 PM
3240	Runtime Infrastructure	Feature	Closed	Normal	setup and use of real SSL certificates (NOT self-signed)	Greg Shah	11/24/2017 06:35 AM
3236	User Interface	Feature	Closed	Normal	implement port range support for the web client's embedded web server	Sergey Ivanovskiy	07/03/2017 05:54 AM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
3233	User Interface	Bug	New	Normal	button accelerators do not work		01/31/2017 07:52 PM
3232	User Interface	Feature	WIP	Normal	implement WINDOW-STATE attribute support	Hynek Cihlar	12/19/2017 04:17 AM
3226	Runtime Infrastructure	Feature	WIP	Normal	change p2j to fwd in names, filenames, paths, environment variables et al	Ovidiu Maxiniuc	01/27/2017 01:11 PM
3225	Conversion Tools	Feature	WIP	Normal	windows vs linux in p2j.cfg.xml	Ovidiu Maxiniuc	11/30/2020 03:01 PM
3222	Runtime Infrastructure	Feature	Closed	Normal	rewrite admin console for native web (html5/css/javascript)		09/27/2017 04:20 AM
3219	Build and Source Control	Bug	Closed	Normal	recent Ubuntu/Linux builds use ncurses 6.0 and we don't link to it properly		09/07/2017 08:04 AM
3218	User Interface	Feature	Closed	Normal	enhance the embedded mode web GUI to implement a good default approach for common cases	Constantin Asofiei	08/12/2018 09:51 PM
3211	TRPL	Feature	New	Normal	implement multi-threaded pattern engine and rework the ConversionDriver to leverage it		11/16/2016 09:55 AM
3192	Database	Bug	New	Normal	possible optimization when the database server resides on the same box as the P2J server		10/07/2016 08:12 AM
3183	Base Language	Bug	New	Normal	recursive use of some resources is sometimes broken		09/20/2016 07:10 PM
3173	Database	Bug	New	Normal	use of DYNAMIC-FUNCTION() in the WHERE clause of a dynamic query silently fails to find a record in the 4GL while P2J acts as one would expect		08/19/2016 01:03 PM
3172	Database	Bug	New	Normal	QUERY-PREPARE can be used on static queries (and the sorting can be dynamically changed)		06/24/2020 08:55 AM
3171	Database	Bug	New	Normal	a natural join combined with the :: operator will cause an unexpected result		08/18/2016 12:32 PM
3162	Runtime Infrastructure	Support	New	Normal	JVM crash in native code called from FileStream		08/05/2016 12:05 PM
3142	User Interface	Bug	Closed	Normal	the mouse "hotspot" in the web client is in an unexpected location	Sergey Ivanovskiy	11/16/2016 12:22 PM
3128	User Interface	Bug	New	Normal	header expressions (and dynamic row/column/title...) may be executing more than is necessary		06/16/2016 02:19 PM
3118	Runtime Infrastructure	Bug	New	Normal	performance can be improved by reducing the number of places where we instantiate an exception unnecessarily		06/01/2016 09:09 AM
3117	Database	Bug	New	Normal	test and fix VALIDATION() expressions in a DELETE statement		05/31/2016 01:49 PM
3114	Conversion Tools	Bug	New	Normal	changing SharedVariableManager to call TransactionManager.register[Global]()		05/18/2016 10:57 AM
3113	User Interface	Bug	Closed	Normal	web client failure when trying to connect two web clients to the same P2J server	Sergey Ivanovskiy	11/16/2016 12:22 PM
3112	Bugs	Bug	Closed	Normal	missing import with current-value() stmt	Greg Shah	05/17/2016 08:13 AM
3082	User Interface	Feature	New	Normal	finish [NO-]SCROLLBAR-VERTICAL and NUM-ITERATIONS runtime support	Stanislav Lomany	11/16/2016 12:23 PM
3058	User Interface	Bug	New	Normal	image/image10_1.p has a positioning or clipping issue in the web client		04/06/2016 04:59 PM
3044	Database	Feature	New	Normal	dynamic validation expression support		02/07/2019 02:36 PM
3041	Database	Bug	New	Normal	ambiguous field references are allowed in a CAN-FIND		03/25/2016 01:09 PM
3040	Database	Bug	New	Normal	CAN-FIND issues		03/25/2016 01:09 PM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
3038	User Interface	Feature	Closed	Normal	implement browse attrs COLUMN-MOVABLE, COLUMN-RESIZABLE, CREATE-ON-ADD, MIN-HEIGHT-CHARS and the browse MOVE-COLUMN() method	Stanislav Lomany	11/16/2016 12:12 PM
3037	User Interface	Feature	New	Normal	implement FRAME:NEXT-TAB-ITEM runtime support		03/23/2016 04:06 PM
3005	Conversion Tools	Support	Closed	Normal	OO processing cleanup items	Greg Shah	02/29/2016 02:10 PM
3000	User Interface	Feature	New	Normal	implement the SLIDER widget in ChUI		02/19/2016 11:55 AM
2998	Runtime Infrastructure	Support	New	Normal	consider whether we should implement a separate security context for init/term listeners and other customer code loaded in the P2J process		02/19/2016 09:16 AM
2995	User Interface	Bug	Closed	Normal	if the first mouse after app startup is on a combo-box, then an abend occurs	Igor Skornyakov	11/16/2016 12:12 PM
2994	Runtime Infrastructure	Bug	New	Normal	use static code analysis to scan p2j source for security vulnerabilities (Java, Javascript and C)		02/11/2016 09:59 AM
2993	Runtime Infrastructure	Support	New	Normal	penetration testing: non-priviledged local user scenario		02/11/2016 09:57 AM
2992	Runtime Infrastructure	Support	New	Normal	penetration testing: remote access scenario		02/11/2016 09:56 AM
2991	Runtime Infrastructure	Support	New	Normal	ensure that all XML parsing is done securely		02/11/2016 09:56 AM
2981	Runtime Infrastructure	Bug	New	Normal	replace SecurityManager.checkCaller() usage with a more performant approach		02/04/2016 10:56 AM
2971	User Interface	Bug	New	Normal	rework tooltip support to use OverlayWindow		10/25/2021 07:01 AM
2970	User Interface	Bug	Closed	Normal	rework menus to use OverlayWindow	Hynek Cihlar	11/16/2016 12:22 PM
2969	User Interface	Bug	Closed	Normal	websocket keep-alive	Sergey Ivanovskiy	11/16/2016 12:12 PM

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