

Issues

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
8306	User Interface	Support	New	Normal	3-button mouse to portable mouse mapping?		03/05/2024 12:35 PM
8305	User Interface	Support	New	Normal	ChUI: how to change focus between items which belong to different frames?		02/21/2024 02:48 PM
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
8020	Runtime Infrastructure	Support	New	Normal	Remote Launcher for Dummies - Configuration/Utilization Help		11/08/2023 12:13 PM
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
7850	Build and Source Control	Support	New	Normal	questions and answers about ABLUnit support in FWD		04/20/2024 03:32 PM
7760	Build and Source Control	Support	New	Normal	Testcases - server error on database initialisation		08/30/2023 03:29 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
7339	User Interface	Support	New	Normal	UI - Focus		05/10/2023 06:52 AM
7338	User Interface	Support	New	Normal	UI - Layout and Sizing		05/10/2023 06:53 AM
7337	User Interface	Support	New	Normal	UI - Events	Marian Edu	05/10/2023 06:54 AM
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
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
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
6859	Conversion Tools	Support	New	Normal	preprocessor tests	Marian Edu	10/18/2022 06:57 PM
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
6853	Build and Source Control	Support	New	Normal	implement automated 4GL compatibility testing and CI/CD		03/31/2023 12:35 PM
6848	Conversion Tools	Support	New	Normal	TRPL questions and issues		10/27/2022 12:35 PM
6732	TRPL	Support	New	Normal	discussion of language features		09/03/2022 08:14 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
6707	Database	Support	New	Normal	evaluate the effectiveness of the current approach to ProgressiveResults		08/25/2022 11:37 AM
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
6409	Conversion Tools	Support	New	Normal	generate "railroad style" syntax diagrams for the progress parser		03/03/2023 02:04 PM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
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
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	MenuGuilmpl redraws everything when only a subset of drawing is needed		08/04/2021 07:47 AM
5568	Runtime Infrastructure	Support	New	Normal	implement application-specific TERMINFO database overrides	Eugenie Lyzenko	06/22/2023 08:56 AM
5354	Runtime Infrastructure	Support	New	Normal	usage of GraalVM for better performance		05/19/2021 10:10 AM
5111	Base Language	Support	New	Normal	TempTableSchema & BufferField	Constantin Asofiei	01/29/2021 08:28 PM
4999	Conversion Tools	Support	New	Normal	pre-converted Possenet		11/05/2020 10:31 AM
4928	Database	Support	New	Normal	rewrite FieldReference to use lambdas instead of reflection		09/29/2020 10:57 AM
4693	Database	Support	New	Normal	check whether our index consolidation adversely affects flushing behavior		06/22/2020 01:37 PM
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
4549	Runtime Infrastructure	Support	New	Normal	reduce/eliminate installation dependencies		02/19/2020 02:11 PM
4376	Database	Support	New	Normal	test replication trigger implementation		10/30/2019 10:39 AM
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
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
4080	Database	Support	New	Normal	AWS Aurora support		11/10/2019 10:24 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
4060	Database	Support	New	Normal	investigate converting extent fields to array columns		05/01/2019 01:17 PM
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
4032	Base Language	Support	New	Normal	block/transaction processing context-local and other performance improvements		08/31/2023 06:34 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
3162	Runtime Infrastructure	Support	New	Normal	JVM crash in native code called from FileStream		08/05/2016 12:05 PM
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

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
2993	Runtime Infrastructure	Support	New	Normal	penetration testing: non-privileged 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
2961	User Interface	Support	New	Normal	list of differences between the Swing GUI client and the original 4GL Windows GUI environment		02/29/2016 02:44 PM
2698	Runtime Infrastructure	Support	New	Normal	evaluate the security implications of how ProcessBuilder copies the server environment		09/09/2015 03:16 PM
2697	Runtime Infrastructure	Support	New	Normal	make sure all security sensitive data is processed using char[] instead of Strings		09/09/2015 03:15 PM
2696	Runtime Infrastructure	Support	New	Normal	security review		08/04/2021 09:59 AM
2675	User Interface	Support	New	Normal	list of differences between the web GUI client and the original 4GL Windows GUI environment		11/16/2016 12:23 PM
2674	User Interface	Support	New	Normal	list of HTML5, CSS and Javascript features in use in the web client (both ChUI and GUI) + minimum browser levels		05/23/2021 06:28 PM
2672	User Interface	Support	New	Normal	GUI web client performance improvements		11/16/2016 12:30 PM
2661	User Interface	Support	New	Normal	evaluate use of NCURSES 6.0 on Windows which now has a MinGW port		11/16/2016 01:08 PM
2660	User Interface	Support	New	Normal	evaluate if the NCURSES 5.7 "threading improvements" can be made to work for P2J such that auto_getch_refresh() is no longer needed		11/16/2016 01:08 PM
2464	Conversion Tools	Support	New	Normal	remove business logic var defs, format strings and undoable registrations for vars that only exist to defined @-base field widgets but are otherwise unreferenced as real variables		12/21/2014 10:19 AM
2453	Conversion Tools	Support	New	Normal	remove unnecessary scope promotion		11/16/2016 12:46 PM
2383	Database	Support	New	Normal	write an SQL script to verify all UDFs for built-in functions work once p2jpl.jar is installed in a database		08/30/2014 11:16 PM
1948	Build and Source Control	Support	New	Normal	cleanup package.html contents		11/16/2016 01:31 PM
1908	Conversion Tools	Support	New	Normal	update documentation for Windows conversion		11/16/2016 01:16 PM
1900	Runtime Infrastructure	Support	New	Normal	improve LoadCert JavaDoc and the corresponding documentation in the P2J Runtime Installation, Configuration and Administration Guide		11/16/2016 01:31 PM
1899	Core Development	Support	New	Normal	document the recent changes related to dynamic reloading of jar files	Stanislav Lomany	11/01/2012 06:46 PM
1865	Core Development	Support	New	Normal	create the training materials for the Developer 2 class		11/16/2016 01:31 PM
1864	Core Development	Support	New	Normal	update the training materials for the Developer 1 class		11/16/2016 01:31 PM
1863	Conversion Tools	Support	New	Normal	create training materials for the Conversion class		11/16/2016 01:31 PM
1862	Runtime Infrastructure	Support	New	Normal	create training materials for the P2J Administration class		11/16/2016 01:31 PM
1861	Runtime Infrastructure	Support	New	Normal	update the administration portions of the Runtime Installation, Configuraton and Administration Guide		11/16/2016 01:31 PM
1860	Runtime Infrastructure	Support	New	Normal	update the configuration portions of the Runtime Installation, Configuraton and Administration Guide		11/16/2016 01:31 PM
1857	Runtime Infrastructure	Support	New	Normal	update the implementation planning portions of the Runtime Installation, Configuraton and Administration Guide		11/16/2016 01:31 PM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
1856	Conversion Tools	Support	New	Normal	update the Conversion Handbook		11/16/2016 01:31 PM
1855	Core Development	Support	New	Normal	update the Developer Guide		11/16/2016 01:31 PM
1854	Database	Support	New	Normal	update the DB portions of the Conversion Reference		11/16/2016 01:31 PM
1853	Base Language	Support	New	Normal	update the base language portions of the Conversion Reference		11/16/2016 01:31 PM
1852	User Interface	Support	New	Normal	update the UI portions of the Conversion Reference		11/16/2016 01:31 PM
7058	Database	Support	WIP	Normal	get the FWD fork of the H2 code base under version control	Alexandru Lungu	02/16/2023 09:11 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
6860	Conversion Tools	Support	WIP	Normal	lexer tests	Marian Edu	03/27/2023 03:33 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
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
6709	Database	Support	WIP	Normal	track nested FIND inside a related FOR loop	Dănuț Filimon	01/06/2023 02:51 AM
5183	Database	Support	WIP	Normal	database collation	Eric Faulhaber	07/27/2021 12:36 PM
4657	Base Language	Support	WIP	Normal	memory overhead from preloading classes with LegacySignature	Constantin Asofiei	06/20/2020 12:10 PM
3303	Runtime Infrastructure	Support	WIP	Normal	make the automated deployment process fully production ready	Roger Borrello	01/09/2024 09:21 AM
1532	Core Development	Support	WIP	Normal	develop chemtutor 4GL sample application	Adrian Lungu	09/28/2012 04:40 PM
8547	FWD	Support	Review	Normal	Fix documentation for Non-Standard Save Cache Implementation	Eric Faulhaber	05/07/2024 11:21 AM
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
6708	Database	Support	Review	Normal	track/report at runtime when AdaptiveQuery shifts into dynamic mode	Dănuț Filimon	12/08/2022 05:57 AM
6679	Database	Support	Internal Test	Normal	H2 general performance tuning		01/24/2024 02:06 AM
8676	Base Language	Feature	New	Normal	ABLUnit assert error messages are different in different OE versions		04/26/2024 04:40 AM
8651	Runtime Infrastructure	Feature	New	Normal	Centralize inclusion of JS dependencies		04/23/2024 03:08 PM
8544	Runtime Infrastructure	Feature	New	Normal	Move spawner code to JNI		03/29/2024 03:16 AM
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
8388	Database	Feature	New	Normal	alternative implementation of same-session dirty sharing		03/12/2024 06:47 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
8140	Base Language	Feature	New	Normal	Client PID		12/20/2023 05:30 AM
8138	Base Language	Feature	New	Normal	ABLUnit configuration using environment variables		12/20/2023 01:21 PM
8124	Base Language	Feature	New	Normal	rework conversion and runtime support for BLOCK-LEVEL and ROUTINE-LEVEL statements		12/18/2023 10:44 AM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
7997	User Interface	Feature	New	Normal	Encryption for client storage data / registry		11/02/2023 11:32 AM
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
7943	Database	Feature	New	Normal	improvements in lock management for diagnostics and release of orphaned locks		10/19/2023 04:49 PM
7875	Base Language	Feature	New	Normal	Interactive child process launching is broken in GUI		10/04/2023 05:50 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
7842	Base Language	Feature	New	Low	Make FWD behave the same as OE regarding input through		09/27/2023 07:42 AM
7814	User Interface	Feature	New	Normal	Supporting translated texts for web login / logout screens		09/19/2023 09:03 AM
7802	Database	Feature	New	Normal	implement INACTIVE index support		09/15/2023 09:03 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
7418	Runtime Infrastructure	Feature	New	Normal	assess the security of the Jetty web server		06/08/2023 08:09 AM
7390	Conversion Tools	Feature	New	Normal	replace DOM with StAX in XmlFilePlugin		06/05/2023 11:36 AM
7386	Base Language	Feature	New	Normal	predefined auditing events support and a better persistence approach for auditing data		05/26/2023 07:52 AM
7348	Base Language	Feature	New	Normal	mutable proxy implementation		05/11/2023 01:53 PM
7318	Conversion Tools	Feature	New	Normal	prevent abend during conversion in case of failures when processing TRPL rules		05/02/2023 08:50 AM
7279	Runtime Infrastructure	Feature	New	Normal	Enhance CentralLogger to support configurable LogFormatter		04/28/2023 01:32 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
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
7147	Runtime Infrastructure	Feature	New	Normal	Make FWD log outputs consistent		04/17/2023 09:55 AM
7126	Base Language	Feature	New	Normal	replace 'new unknown()' with 'unknown.INSTANCE' in FWD conversion and runtime		04/10/2023 10:53 AM
7082	Base Language	Feature	New	Normal	Improve converted call site names		01/27/2023 01:18 PM
7080	Runtime Infrastructure	Feature	New	Normal	replace admin console GWT servlet transport with a REST API		01/27/2023 08:38 AM
7063	Database	Feature	New	Normal	Support FIRST/LAST join directly in H2		01/25/2023 05:38 AM
7032	User Interface	Feature	New	Normal	implement the EDITOR:EMPTY attribute		01/10/2023 09:00 AM
7000	Base Language	Feature	New	Normal	Replace old-style synchronization primitives with java.util.concurrent classes		12/20/2022 07:47 AM
6996	User Interface	Feature	New	Normal	WebGUI: Analyze the effect of willReadFrequently option on the 2D renderer performance		12/13/2022 03:19 PM
6939	Runtime Infrastructure	Feature	New	Normal	improve proxy performance by hard-coding method invocation		12/21/2022 01:19 PM
6938	Database	Feature	New	Normal	XML serilization improvement		11/16/2022 10:16 AM
6898	Database	Feature	New	Normal	PostgreSQL schema improvements		11/01/2022 08:33 AM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
6895	Database	Feature	New	Normal	improve performance of BufferReference methods buffer() and definition()		11/08/2023 04:05 AM
6872	Runtime Infrastructure	Feature	New	Normal	add trace logging for appserver requests		10/20/2022 09:56 AM
6871	Runtime Infrastructure	Feature	New	Normal	add JMX instrumentation to monitor the appserver agents		10/31/2022 12:10 PM
6869	Build and Source Control	Feature	New	Normal	mirror the FWD dependencies in a proj.goldencode.com repository		10/20/2022 08:38 AM
6823	Database	Feature	New	Normal	improve TemporaryBuffer/RecordBuffer define and buffer delete		10/06/2022 03:25 AM
6822	Base Language	Feature	New	Normal	performance of the FWD proxy implementation		10/06/2022 04:27 AM
6819	Base Language	Feature	New	Normal	refactor FWD proxy implementation to use ReflectASM instead of Java Method reflection	Greg Shah	11/22/2023 03:02 PM
6814	Base Language	Feature	New	Normal	JMX instrumentation for FWD core, persistence and ORM layers		10/31/2022 05:57 AM
6772	Base Language	Feature	New	Normal	increase usage of ASSIGN bracketing		09/20/2022 11:30 AM
6754	Base Language	Feature	New	Normal	complete BOM support for XmlHelper.readXMLEncoding()		09/14/2022 07:02 AM
6729	Database	Feature	New	Normal	improve database and temp-table toString to write all records without relying on write-json		09/02/2022 02:47 AM
6721	Database	Feature	New	Normal	calculate field lists at conversion time where possible		08/29/2022 07:03 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
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 definition		08/24/2022 05:19 PM
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
6670	Conversion Tools	Feature	New	Normal	Implement empty-argument preprocessor quirk		08/11/2022 03:17 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
6661	Conversion Tools	Feature	New	Normal	OCX: Implement support for conversion of VARTYPE parameters and properties		08/09/2022 12:18 PM
6646	Runtime Infrastructure	Feature	New	Normal	short circuit legacy REST program invocation		08/01/2022 08:04 AM
6604	User Interface	Feature	New	Normal	Complete support for list-items/list-item-pairs for combo-box as part of the browse widget		07/15/2022 01:50 PM
6594	User Interface	Feature	New	Normal	TabSet Deviations		07/13/2022 09:30 AM
6583	User Interface	Feature	New	Normal	Implement support for TOP-ONLY and ALWAYS-ON-TOP in Web GUI driver		07/06/2022 06:23 AM
6507	Database	Feature	New	Normal	cross-database joins	Ovidiu Maxiniuc	09/09/2022 12:23 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
6500	Base Language	Feature	New	Normal	add equivalent support for -nb command line option		06/07/2022 10:53 AM
6498	Base Language	Feature	New	Normal	add equivalent support for the -errorstack command line option		06/06/2022 12:34 PM
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 -noduptiderror 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

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
6490	Base Language	Feature	New	Normal	DYNAMIC-INVOKE which returns an extent		06/05/2022 02:56 PM
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
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
6459	Database	Feature	New	Normal	query features	Igor Skorniyakov	11/25/2022 05:40 PM
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
6449	Database	Feature	New	Normal	review SET-DB-CLIENT() function implementation		05/27/2022 10:00 AM
6441	Database	Feature	New	Normal	compatible collation for UTF-8 databases		05/27/2022 12:53 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
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
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
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
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
6419	Base Language	Feature	New	Normal	compatibility testing (and any needed fixes) for security features		05/26/2022 03:27 PM
6416	Base Language	Feature	New	Normal	explore and implement ideas to make OO 4GL more efficient		10/06/2022 10:01 AM
6408	Conversion Tools	Feature	New	Normal	add and fix some Analytics reports		05/25/2022 12:37 PM
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

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
6369	User Interface	Feature	New	Normal	Frame widget needs specific MOVE-TO-BOTTOM() call implementation		05/16/2022 09:45 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
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
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
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
6265	Harness	Feature	New	Normal	generate junit-compatible xml results for output		08/18/2022 09:39 AM
6252	Conversion Tools	Feature	New	Normal	cleanup of p2j.cfg.xml	Constantin Asofiei	02/28/2024 09:43 AM
6187	Database	Feature	New	Normal	eliminate explicit buffer usage in can-find		03/25/2022 06:27 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
6157	User Interface	Feature	New	Normal	Missing widget properties		03/09/2022 06:57 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
5967	Database	Feature	New	Normal	better handling of errors received from SQL/database server		01/12/2022 12:25 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
5784	User Interface	Feature	New	Normal	multi-factor authentication		10/29/2021 10:32 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
5746	Base Language	Feature	New	Normal	More meaningful error message on conversion errors with OO references		10/28/2021 07:10 AM
5745	Base Language	Feature	New	Normal	New access modes: package-private, package-protected		10/20/2021 06:37 AM
5729	Base Language	Feature	New	Normal	implement polymorphic reflection support for properties and variables		10/28/2021 04:18 AM
5685	Database	Feature	New	Normal	optimization: limit iteration of RecordBuffers in Commitable hooks by scope		09/28/2021 04:24 PM
5680	Runtime Infrastructure	Feature	New	Normal	improve error reporting during spawning, authentication and client startup		09/23/2021 05:58 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

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
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
5510	User Interface	Feature	New	Normal	delegated click mode for SYSTEM-DIALOG GET-FILE		07/02/2021 11:51 AM
5453	Database	Feature	New	Normal	optimize FindQuery hasOne and hasAny implementations		06/15/2021 07:12 PM
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
5397	User Interface	Feature	New	Low	TREELIST: implement multi-column sorting		06/02/2021 01:29 PM
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
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
5253	User Interface	Feature	New	Normal	SPREADSHEET: Create documentation		04/12/2021 04:21 AM
5252	User Interface	Feature	New	Normal	SPREADSHEET: Publish Keikai contribution sources		04/12/2021 04:17 AM
5223	User Interface	Feature	New	Normal	SPREADSHEET: Implement formula circular references		09/14/2021 04:46 AM
5220	Database	Feature	New	Normal	extend word index support to SQL Server		03/29/2021 12:10 AM
5219	Database	Feature	New	Normal	further word index and CONTAINS improvements		03/29/2021 02:46 PM
5184	Runtime Infrastructure	Feature	New	Normal	enable non-SSL mode for Jetty		03/06/2021 01:29 PM
5175	Conversion Tools	Feature	New	Normal	add the value of the builtin preprocessor variables (like WINDOW-SYSTEM), used in the current file, in its .pphints file		03/03/2021 04:56 PM
5170	Runtime Infrastructure	Feature	New	Normal	add support for cloud-based load balancing and WAF		03/08/2021 11:11 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
5160	Base Language	Feature	New	Normal	About cast() function support	Greg Shah	03/03/2021 12:30 AM
5155	Runtime Infrastructure	Feature	New	Normal	make it easier to deploy custom servlets into the FWD server		02/23/2021 10:07 AM
5146	Base Language	Feature	New	Normal	record additional legacy class and method data in annotations		02/21/2021 11:28 AM
5131	Database	Feature	New	Normal	improve management of the cluster and database instances from build.xml		02/04/2021 12:58 PM
5095	Database	Feature	New	Normal	complete the shift from field names to bitsets		01/20/2021 02:31 PM
5061	Runtime Infrastructure	Feature	New	Normal	implement a tool to simplify 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
5002	Runtime Infrastructure	Feature	New	Normal	implement fast in-memory based network transport for localhost connections		11/12/2020 02:37 AM
5000	Conversion Tools	Feature	New	Normal	create a UI for managing the entire process/lifecycle of a conversion project		11/05/2020 10:56 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 Possetnet call-graph hints		11/05/2020 10:18 AM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
4980	Database	Feature	New	Normal	Investigate the impact of TOAST manipulation in PotgreSQL engine		10/23/2020 11:22 AM
4912	User Interface	Feature	New	Normal	move UI portions of the web client to the server-side		09/24/2020 11:52 AM
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
4730	User Interface	Feature	New	Normal	Implement support for custom fonts on individual nodes of a TREEVIEW (and TREELIST) widget		07/03/2020 02:50 AM
4723	Database	Feature	New	Normal	make it significantly easier to run database import		08/10/2021 05:53 PM
4692	Database	Feature	New	Normal	add sanity check at server startup to compare DMO indices with database indices		06/22/2020 01:42 PM
4646	Build and Source Control	Feature	New	Normal	Implement fetching of javadocs and sources for the Gradle dependencies		05/15/2020 07:37 AM
4645	Build and Source Control	Feature	New	Normal	Migrate Ant build logic into Gradle		07/12/2022 10:51 AM
4644	Conversion Tools	Feature	New	Normal	add incremental reporting support		05/14/2020 04:12 PM
4635	Base Language	Feature	New	Normal	bundle CREATE followed by ASSIGN in a single statement		05/05/2020 05:54 PM
4630	Base Language	Feature	New	Normal	inline var definition for an OUTPUT parameter in an async RUN call		04/28/2020 08:49 AM
4629	Base Language	Feature	New	Normal	implement fully compatible 4GL collections (backed by protected temp-tables)		04/27/2020 10:02 AM
4613	Database	Feature	New	Normal	add missing support for database user defined functions (UDF) if they are supported in runtime		08/13/2020 10:52 AM
4609	User Interface	Feature	New	Normal	rework scrolling approach to use a cleaner, MVC design		04/08/2020 09:05 AM
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
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
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
4406	Runtime Infrastructure	Feature	New	Normal	server-side REST execution without appserver agents		06/02/2022 10:53 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
4389	Conversion Tools	Feature	New	Normal	escape support for supplementary unicode characters		11/07/2019 06:52 PM
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
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
4351	Base Language	Feature	New	Normal	instance vs static dual behavior for class-defined resources		10/15/2019 09:38 AM
4341	User Interface	Feature	New	Normal	CREATE-RESULT-LIST-ENTRY missing implementation features		10/05/2019 05:17 PM
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
4246	Conversion Tools	Feature	New	Normal	Emit static Java calls for non-native COM objects		08/26/2019 09:18 AM
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
4176	Database	Feature	New	Normal	make certain metadata tables aware of live runtime state	Igor Skornyakov	07/15/2022 12:18 AM
4128	Database	Feature	New	Normal	defer transaction start until the time when real edits begin		07/03/2019 04:14 PM
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
4076	Conversion Tools	Feature	New	Normal	remove empty triggers during conversion		05/11/2021 08:05 PM
4064	Base Language	Feature	New	Normal	large-row data type		05/02/2019 10:19 AM
4054	Database	Feature	New	Normal	only track specific tables in dirty database		05/01/2019 01:32 AM
4053	Conversion Tools	Feature	New	Low	convert ant buildfile testcases/uast/build.xml into gradle builds file into build gradle	Alexei Kaigorodov	04/30/2019 06:38 AM
4049	User Interface	Feature	New	Normal	implement mouse wheel for combo-boxes		04/22/2019 06:32 PM
4041	Runtime Infrastructure	Feature	New	Normal	[Performance] Defer widget server-client state synchronization		04/10/2019 05:04 AM
4036	Database	Feature	New	Normal	catch database UDF support up to current built-in function support level		04/08/2019 06:12 PM
4030	Database	Feature	New	Normal	improve CompoundQuery optimizer		04/01/2019 10:52 PM
4029	User Interface	Feature	New	Normal	implement more widget rendering knowledge within the client drivers	Hynek Cihlar	10/14/2020 11:18 AM
4028	User Interface	Feature	New	Normal	coalesce multiple STATUS updates sent in rapid succession to reduce DAP work		04/01/2019 10:18 PM
4027	Runtime Infrastructure	Feature	New	Normal	optimize multiple PUT statements by deferring call to client until EOL or EOF		04/01/2019 10:06 PM
4024	Database	Feature	New	Normal	PostgreSQL shared memory JDBC driver		04/01/2019 06:40 PM
4023	Database	Feature	New	Normal	PostgreSQL query planning optimization		04/01/2019 06:20 PM
4021	Database	Feature	New	Normal	better use of session-related resources such as PreparedStatements and caches		04/01/2019 03:37 PM
4019	Database	Feature	New	Normal	rework dirty database implementation to use persistent database		04/01/2019 11:35 AM
4018	Database	Feature	New	Normal	possibly move temp-table support into persistent database		04/01/2019 11:02 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

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
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
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
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
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
3855	Base Language	Feature	New	Normal	implement equivalent support for REST (classic appserver, PASOE REST and WEB transports)		10/10/2023 08:33 AM
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
3789	Runtime Infrastructure	Feature	New	Normal	rewrite writeObject and readObject to rely on NativeTypeSerializer or a similar approach	Igor Skornyakov	07/21/2020 10:27 AM
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
3700	User Interface	Feature	New	Normal	in embedded mode, show a loading overlay when the server-side has control (of long-running tasks?)		08/23/2018 03:11 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
3695	Conversion Tools	Feature	New	Normal	instrument 4GL code for automated call-graph hint generation		08/24/2018 10:00 AM
3681	User Interface	Feature	New	Normal	replace the window decorations with a lightweight implementation		08/17/2018 11:14 AM
3649	User Interface	Feature	New	Normal	Improve runtime support of WINDOW:SENSITIVE attribute		07/06/2018 10:44 AM
3623	Database	Feature	New	Normal	support for the multi-table with client-side where expression		06/18/2018 05:41 PM
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
3541	Conversion Tools	Feature	New	Normal	add PDF export for call graph reports		03/30/2018 04:31 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
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
3359	Conversion Tools	Feature	New	Normal	enhance the callgraph to better support programs outside of the current application		10/13/2017 08:08 AM
3344	Conversion Tools	Feature	New	Normal	add database reports based on processing during conversion		09/28/2017 12:11 PM
3337	Conversion Tools	Feature	New	Normal	Source code analytics features		01/30/2019 12:52 PM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
3326	Base Language	Feature	New	Normal	implement the equivalent to the .NET Open Client		05/13/2022 09:43 AM
3319	Database	Feature	New	Normal	investigate viability of using the Progress database as a back-end		09/05/2017 08:43 PM
3307	Database	Feature	New	Normal	enhance LockAdministrator implementation to collect info on sessions waiting to lock a record		06/29/2017 06:13 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
3283	User Interface	Feature	New	Normal	add 4GL extension to obtain the mouse pointer location		02/16/2021 08:45 AM
3268	Runtime Infrastructure	Feature	New	Normal	Creating a tool to install and manage FWD server as Windows service		03/20/2017 03:31 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
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
3248	Documentation	Feature	New	Normal	documentation updates		02/12/2017 09:52 PM
3247	Conversion Tools	Feature	New	Normal	need for different configuration values for different parts of a conversion project		02/10/2017 02:07 PM
3244	User Interface	Feature	New	Normal	implement search-by-key in SELECTION-LIST		02/07/2017 02:51 PM
3235	User Interface	Feature	New	Normal	Proper handling of the image loading from file containing several images		02/01/2017 07:59 AM
3211	TRPL	Feature	New	Normal	implement multi-threaded pattern engine and rework the ConversionDriver to leverage it		11/16/2016 09:55 AM
3178	Base Language	Feature	New	Normal	implement STREAM-HANDLE support	Constantin Asofiei	10/10/2019 05:31 PM
3174	User Interface	Feature	New	Normal	Implement browse scrolling by "dragging" the highlighted row.		08/23/2016 11:44 AM
3164	Base Language	Feature	New	Normal	missing undoable behaviour with global vars and persistent procedures		08/09/2016 09:20 AM
3092	Runtime Infrastructure	Feature	New	Normal	improve the RemoteLaunchOptionResource to validate against complex expressions		04/29/2016 12:25 PM
3082	User Interface	Feature	New	Normal	finish [NO-]SCROLLBAR-VERTICAL and NUM-ITERATIONS runtime support	Stanislav Lomany	11/16/2016 12:23 PM
3070	User Interface	Feature	New	Normal	add a dedicated bootstrap config for the non-decorated window mode		04/19/2016 10:58 AM
3047	Database	Feature	New	Normal	JDBC jar deployment		11/16/2016 01:06 PM
3044	Database	Feature	New	Normal	dynamic validation expression support		02/07/2019 02:36 PM
3037	User Interface	Feature	New	Normal	implement FRAME:NEXT-TAB-ITEM runtime support		03/23/2016 04:06 PM
3019	User Interface	Feature	New	Normal	Add icons support to menu items		11/13/2019 11:52 AM
3003	Runtime Infrastructure	Feature	New	Normal	improve performance of BaseDataType.deepCopy()		11/16/2016 12:30 PM
3000	User Interface	Feature	New	Normal	implement the SLIDER widget in ChUI		02/19/2016 11:55 AM
2949	FWD	Feature	New	Normal	Alternative approach to handling case insensitivity		11/01/2022 12:37 PM
2936	User Interface	Feature	New	Normal	Editing cell shrinking quirk		01/25/2016 09:19 AM
2927	User Interface	Feature	New	Normal	add I18N features to the default popup menu for editable widgets		12/12/2015 06:42 AM
2871	Harness	Feature	New	Normal	browser app driver		11/20/2015 09:29 AM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
2870	Harness	Feature	New	Normal	Swing app "driver"		11/20/2015 09:28 AM
2869	Harness	Feature	New	Normal	add mouse input event support		11/20/2015 09:27 AM
2868	Harness	Feature	New	Normal	enhance or extend key input processing to match GUI program input needs		11/20/2015 09:27 AM
2866	Harness	Feature	New	Normal	implement text comparison support		11/20/2015 09:28 AM
2865	Harness	Feature	New	Normal	implement image comparison support		11/20/2015 09:21 AM
2864	Harness	Feature	New	Normal	create window, control and specific rectangle image capture support		11/20/2015 09:17 AM
2863	Harness	Feature	New	Normal	implement GUI application test automation features		11/20/2015 09:14 AM
2800	User Interface	Feature	New	Normal	implement GUI support for CHOOSE		08/11/2017 12:07 PM
2694	Runtime Infrastructure	Feature	New	Normal	provide configurable control of STDERR logging for spawned clients		11/16/2016 01:06 PM
2671	User Interface	Feature	New	Normal	provide a facility to customize the JVM args and Java command line used by the spawner		03/25/2016 12:38 PM
2670	User Interface	Feature	New	Normal	browser resize should re-layout the login page		08/31/2015 03:36 PM
2669	User Interface	Feature	New	Normal	tabbing flow improvements		08/31/2015 03:29 PM
2668	User Interface	Feature	New	Normal	if there are multiple spawn hosts, allow the user to select the host being logged into		08/31/2015 03:27 PM
2667	User Interface	Feature	New	Normal	login page title improvements		08/31/2015 03:24 PM
2666	User Interface	Feature	New	Normal	web client login page improvements		03/31/2016 12:47 PM
2635	User Interface	Feature	New	Normal	multi-window focus management		11/16/2016 12:23 PM
2630	User Interface	Feature	New	Normal	Add ability to save new rows in browse.	Stanislav Lomany	04/05/2016 11:17 AM
2627	User Interface	Feature	New	Normal	Implement quirky cases of refresh when REFRESHABLE is turned ON		07/30/2015 08:33 AM
2594	Runtime Infrastructure	Feature	New	Normal	Implement a tracing facility for P2J		11/16/2016 01:08 PM
2580	Database	Feature	New	Low	make field denormalization the default schema conversion for extent fields		02/06/2017 01:50 PM
2573	User Interface	Feature	New	Normal	GUI implementation for the "n COLUMNS" frame option		03/23/2016 01:59 PM
2556	User Interface	Feature	New	Normal	add support for COLOR statement in GUI		03/23/2016 04:29 PM
2541	Database	Feature	New	Normal	replace the JDBC metadata calls at server startup with DMO annotations		11/16/2016 01:16 PM
2525	User Interface	Feature	New	Normal	Runtime support of frame positional attributes		03/23/2016 02:52 PM
2506	Runtime Infrastructure	Feature	New	Normal	provide support for substitution variables which can be inserted in PROPATH entries in the directory and which will be expanded at load/runtime to system-specific locations		11/16/2016 01:08 PM
2505	Base Language	Feature	New	Normal	SEARCH and loading of static resources from the server-side application jar		11/16/2016 01:21 PM
2502	Conversion Tools	Feature	New	Normal	using a file list as input for the ConversionDriver fails if there is trailing space		11/16/2016 01:16 PM
2490	User Interface	Feature	New	Normal	fix movement of widgets part of a down frame's body		01/15/2015 01:40 PM
2474	User Interface	Feature	New	Normal	dynamically execute applhelp.p instead of driving it from a static directory entry		03/23/2016 04:39 PM
2465	Conversion Tools	Feature	New	Normal	identify and remove unreferenced frames		11/16/2016 12:46 PM
2384	User Interface	Feature	New	Normal	implement custom color overrides for ChUI		09/03/2014 12:07 PM
2381	User Interface	Feature	New	Normal	implement PUT-KEY-VALUE COLOR (n ALL)		03/23/2016 04:42 PM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
2379	User Interface	Feature	New	Normal	implement color support in the Windows native console (ChUI) client		08/21/2014 11:16 AM
2378	User Interface	Feature	New	Normal	implements dos-hex-attribute of COLOR phrase		03/23/2016 04:40 PM
2373	User Interface	Feature	New	Normal	implemented output to redirected, paged terminal via (un)named streams in GUI mode		09/09/2019 04:35 PM
2372	User Interface	Feature	New	Normal	implement support for PUT SCREEN in GUI		08/11/2014 10:09 AM
2359	Database	Feature	New	Normal	automated maintenance of database support files		08/05/2014 01:33 PM
2343	User Interface	Feature	New	Normal	implements a native solution to get system load for remote launcher	Marius Gligor	07/22/2014 02:08 PM
2339	Database	Feature	New	Low	generate schema-triggers.xml from Java annotations at build time		07/14/2014 03:22 PM
2319	Database	Feature	New	Normal	support for dialect-specific keywords in NameConverter		03/30/2016 05:20 AM
2316	Runtime Infrastructure	Feature	New	Normal	improve directory XML encoding		03/24/2021 08:02 AM
2314	Database	Feature	New	Normal	make the _meta database conversion and runtime optional		06/03/2014 04:32 PM
2307	User Interface	Feature	New	Normal	enable skinning of the web client login page		08/31/2015 03:08 PM
2302	User Interface	Feature	New	Normal	Warning message when setting widget row to negative value		05/16/2014 11:55 AM
2298	User Interface	Feature	New	Normal	temporary account creation	Marius Gligor	11/16/2016 01:08 PM
2290	Database	Feature	New	Normal	enhance SchemaDictionary to store context-local information for dynamic queries		11/16/2016 12:30 PM
2256	Conversion Tools	Feature	New	Normal	create tools to analyze the .pphints files		11/16/2016 12:46 PM
2255	User Interface	Feature	New	Normal	replace non-UI code that has direct dependencies on the UI with dependence on an abstract provider that can be registered at runtime		03/05/2014 04:14 PM
2253	User Interface	Feature	New	Normal	eliminate listener/event model		03/05/2014 04:12 PM
2246	Harness	Feature	New	Normal	each failure listed in the summary table should hyperlink directly to the test detail page AND all the way to the failing step in that page so that reviewing failures is quick		02/19/2014 12:41 PM
2225	Base Language	Feature	New	Normal	implement ssl and async related connection options for web services		01/10/2014 09:00 AM
2215	Base Language	Feature	New	Normal	implement the unwrapped mode of passing parameters to web service requests		12/24/2013 06:15 AM
2203	Database	Feature	New	Normal	replace or minimize use of dmo_index.xml file		11/20/2013 11:03 AM
2194	Base Language	Feature	New	Normal	Creating testcases to check legacy attributes for resources used in CAN-QUERY/CAN-SET statement conversion code		10/15/2013 09:53 PM
2191	User Interface	Feature	New	Normal	complete support for determining resource type for BROWSE columns		10/04/2013 07:14 AM
2185	User Interface	Feature	New	Normal	ROW attribute error handling is incomplete		09/24/2013 02:10 PM
2167	Base Language	Feature	New	Normal	add longchar and codepage support	Ovidiu Maxiniuc	08/19/2013 02:09 PM
2162	User Interface	Feature	New	Normal	add support for CURRENT-ITERATION attribute (for widget objects)	Vadim Gindin	10/29/2021 02:47 PM
2161	Database	Feature	New	Normal	Changing UNDO attribute of dynamic table		10/01/2013 06:27 PM
2158	Runtime Infrastructure	Feature	New	Normal	create a minimal jar file suitable for making a remote connection to a P2J server, processing our data types and handling appserver calls		11/16/2016 01:08 PM
2137	Database	Feature	New	Normal	runtime support for FIELDS/EXCEPT record phrase options		01/20/2023 09:51 AM
2136	Base Language	Feature	New	Normal	add hashing and encryption built-in functions to SecurityOps		04/25/2013 04:50 PM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
2123	Base Language	Feature	New	Normal	map the converted method/attribute names to their legacy name		04/12/2013 06:04 AM
2112	Conversion Tools	Feature	New	Normal	blank lines before and/or after a comment should result in spacers in the converted code		11/16/2016 12:46 PM
2111	Conversion Tools	Feature	New	Normal	improve handling of comments that are related to each other ("sets" of comments)		11/16/2016 12:46 PM
2035	Database	Feature	New	Normal	optimize conversion of CAN-FIND([FIRST LAST] temp-table-record ... {SHARE-LOCK EXCLUSIVE-LOCK})		11/16/2016 01:16 PM
1996	Runtime Infrastructure	Feature	New	Normal	use generics to simplify the Resolvable class hierarchy		11/16/2016 01:21 PM
1984	Base Language	Feature	New	Normal	make methods to act as "read-only" attributes		04/12/2013 06:02 AM
1962	Base Language	Feature	New	Normal	modify parser to add a readOnly boolean annotation to all attributes and change post_parse_fixups to use it		11/16/2016 01:16 PM
1922	Conversion Tools	Feature	New	Normal	identify if and how we can convert the super procedure chain into an interface hierarchy		11/16/2016 12:46 PM
1919	Database	Feature	New	Low	update HQLPreprocessor and calling code to better handle WHERE TRUE and WHERE FALSE cases		11/16/2016 12:46 PM
1916	Runtime Infrastructure	Feature	New	Normal	improve the runtime statistics gathered by P2J		04/19/2016 05:42 AM
1907	Conversion Tools	Feature	New	Normal	implement configurable control over the line termination characters used for both intermediate files and final output of the conversion process		11/16/2016 01:16 PM
1906	Conversion Tools	Feature	New	Normal	find a way to programmatically force file.encoding="UTF-8" for the entire JVM when running on Windows, without needing to specify it on the command line or in some configuration file		11/16/2016 01:16 PM
1905	Conversion Tools	Feature	New	Normal	why does P2J_HOME have to be explicitly set for running the conversion on Windows and not in Linux? fix this		11/16/2016 01:16 PM
1904	Conversion Tools	Feature	New	Normal	update the chemtutor build.xml to handle conversion on Windows		11/16/2016 01:16 PM
1903	Conversion Tools	Feature	New	Normal	disambiguate generated filenames that are only differentiated by a difference in case (on Windows filename.txt and filEname.txt refer to the same file)		11/16/2016 01:16 PM
1902	Conversion Tools	Feature	New	Normal	automatically default global configuration changes based on the platform on which conversion is running		11/16/2016 01:16 PM
1901	Conversion Tools	Feature	New	Normal	modify the conversion process to properly run on Windows		11/16/2016 01:16 PM
1895	Runtime Infrastructure	Feature	New	Normal	improve/automate PLJava registration		11/16/2016 01:08 PM
1894	Runtime Infrastructure	Feature	New	Normal	move the file_sys.xml configuration into name_map.xml		11/16/2016 01:08 PM
1889	Build and Source Control	Feature	New	Normal	rework the date.java internal tests as real unit tests		06/09/2023 09:05 AM
1879	Database	Feature	New	Normal	push lock manager back into database		10/24/2019 03:06 PM
1851	Database	Feature	New	Normal	database performance/scalability tuning		11/16/2016 12:30 PM
1849	Runtime Infrastructure	Feature	New	Normal	expose management features, configuration...to inspection and control via JMX (instead of only via the admin UI)		10/02/2020 10:39 AM
1848	Runtime Infrastructure	Feature	New	Normal	make logging settings controllable dynamically at runtime		05/10/2023 08:06 AM
1847	Runtime Infrastructure	Feature	New	Normal	improve server instrumentation		01/25/2022 04:40 AM
1845	Runtime Infrastructure	Feature	New	Normal	create a simple tool (and docs) to provide easy creation/import of the configuration for a new server		12/28/2020 08:31 PM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
1842	Runtime Infrastructure	Feature	New	Normal	implement the multi-source directory approach		12/28/2020 06:33 PM
1840	Database	Feature	New	Normal	create a simple tool (and docs) to provide creation/import of databases at client sites		11/16/2016 01:08 PM
1839	Conversion Tools	Feature	New	Normal	add support for the customization of file names (external procedure)		11/16/2016 12:46 PM
1838	Conversion Tools	Feature	New	Normal	extract symbolic constants from preprocessor expansions where possible		11/16/2016 12:46 PM
1837	Conversion Tools	Feature	New	Normal	put common adm, adm2 and appbuilder scaffolding in a base class		11/16/2016 12:46 PM
1835	Conversion Tools	Feature	New	Normal	replace common setup code for super-procedures with hand-written Java code		11/16/2016 12:46 PM
1829	User Interface	Feature	New	Normal	implement conversion support to migrate Windows help files to the proper format for the converted system		03/23/2016 12:55 PM
1828	Conversion Tools	Feature	New	Normal	move header "widgets" that represent constants into the frame definition		11/16/2016 12:47 PM
1825	Conversion Tools	Feature	New	Normal	make common format strings into static, final variables in a shared class		11/16/2016 12:46 PM
1822	User Interface	Feature	New	Normal	implement a calendar widget to replace the Calendar OCX		03/23/2016 12:55 PM
1820	User Interface	Feature	New	Normal	implement a tree widget to replace the TreeView and ImageList OCXs		08/22/2019 10:26 AM
1819	User Interface	Feature	New	Normal	implement a progress indicator widget to replace the ProgressBar OCX		03/23/2016 12:54 PM
1817	User Interface	Feature	New	Normal	implement a spin-button widget to replace the CSSpin OCX		03/23/2016 12:53 PM
1816	User Interface	Feature	New	Normal	implement a combo-box widget to replace the CSComboBox OCX		03/23/2016 12:53 PM
1810	Conversion Tools	Feature	New	Normal	expand use of varargs in the runtime		11/16/2016 12:46 PM
1784	User Interface	Feature	New	Normal	support the runtime assignment of a browse title (from an expression instead of a literal)		03/23/2016 04:55 PM
1773	Conversion Tools	Feature	New	Normal	rework all conversion tools to implement versioning		11/16/2016 12:46 PM
1772	Conversion Tools	Feature	New	Normal	rework all conversion tools to use database-backed/centralized tracing/logging/error management		11/16/2016 12:46 PM
1771	Conversion Tools	Feature	New	Normal	rework all conversion tools to use a database-backed/centralized configuration		11/16/2016 12:46 PM
1770	Conversion Tools	Feature	New	Normal	multi-threaded conversion driver		12/27/2017 12:43 PM
1769	Conversion Tools	Feature	New	Normal	implement full locking/synchronization for all shared data in the conversion driver and workers		11/16/2016 12:46 PM
1768	Conversion Tools	Feature	New	Normal	eliminate statics/singleton patterns in the conversion driver and all other related classes for the front end		11/16/2016 12:46 PM
1767	Conversion Tools	Feature	New	Normal	rework the conversion front-end to be backed by the database		11/16/2016 12:46 PM
1766	Conversion Tools	Feature	New	Normal	create tools to manage non-flat file conversion artifacts		11/16/2016 12:46 PM
1765	Conversion Tools	Feature	New	Normal	create a tool to manage project configuration in the database		11/16/2016 12:46 PM
1764	TRPL	Feature	New	Normal	rework the pattern engine/TRPL runtime to operate against the database		11/16/2016 10:01 AM
1763	TRPL	Feature	New	Normal	write an AST persistence plugin for database-backed AST loading/persisting		11/16/2016 10:01 AM
1762	TRPL	Feature	New	Normal	create tools to list, delete and otherwise manage flat files stored in the database		11/16/2016 10:00 AM
1761	TRPL	Feature	New	Normal	create export tools to output flat files stored in the database		11/16/2016 10:00 AM
1760	TRPL	Feature	New	Normal	create import tools to add or replace flat files stored in the database		11/16/2016 10:00 AM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
1759	TRPL	Feature	New	Normal	design a database to back all TRPL processing		11/16/2016 09:59 AM

...