

Issues

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
8708	Runtime Infrastructure	Feature	Merge Pending	Normal	cleanup of SLF4J		05/01/2024 03:44 PM
6692	Runtime Infrastructure	Feature	Internal Test	Normal	move FWD to Java 17	Tomasz Domin	05/01/2024 09:27 AM
6424	Base Language	Feature	WIP	Normal	fill gaps in Java Open Client replacement (appserver client support)	Galya B	04/30/2024 09:12 AM
6417	Base Language	Feature	WIP	Normal	cleanup some known items in appserver support	Galya B	04/30/2024 08:49 AM
6407	Base Language	Feature	Test	Normal	name_map.xml improvements	Galya B	04/30/2024 08:45 AM
6410	Base Language	Feature	WIP	Normal	implement additional built-in OO classes/interfaces	Marian Edu	04/30/2024 03:17 AM
6422	Base Language	Feature	WIP	Normal	implement auditing support including AUDIT-POLICY and AUDIT-CONTROL	Theodoros Theodorou	04/29/2024 04:39 PM
8676	Base Language	Feature	New	Normal	ABLUnit assert error messages are different in different OE versions		04/26/2024 04:40 AM
7657	User Interface	Bug	New	Normal	8-bit character entry problem in ChUI	Eugenie Lyzenko	04/25/2024 10:51 AM
6858	Build and Source Control	Support	Closed	Normal	rework existing testcases to use ABLUnit	Marian Edu	04/22/2024 12:48 PM
7850	Build and Source Control	Support	New	Normal	questions and answers about ABLUnit support in FWD		04/20/2024 03:32 PM
7799	Runtime Infrastructure	Feature	WIP	Normal	automated vulnerability scanning	Tomasz Domin	04/17/2024 02:04 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
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
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
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
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
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
6252	Conversion Tools	Feature	New	Normal	cleanup of p2j.cfg.xml	Constantin Asofiei	02/28/2024 09:43 AM
3971	Conversion Tools	Feature	WIP	Normal	add support for unicode escape sequences in the preprocessor	Alexandru Lungu	02/23/2024 07:14 AM
4392	Base Language	Feature	Test	Normal	add -pf support for appserver CONNECT() method	Galya B	02/20/2024 09:56 AM
3288	User Interface	Feature	New	Normal	support > 1 browser tabs for a single FWD java client instance		02/20/2024 08:43 AM
6425	Base Language	Feature	Closed	Normal	SESSION handle features	Theodoros Theodorou	02/18/2024 01:09 PM
6854	Base Language	Support	WIP	Normal	base language tests	Marian Edu	02/15/2024 12:29 AM

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6720	Database	Feature	WIP	Normal	lazy hydration	Alexandru Lungu	02/14/2024 07:30 AM
3931	User Interface	Feature	Closed	Normal	single sign-on for virtual desktop mode	Galya B	02/07/2024 02:46 PM
4203	User Interface	Feature	Closed	Normal	expose some web-client details as 4GL global variables	Galya B	02/07/2024 02:45 PM
4854	User Interface	Feature	Closed	Normal	origin affinity	Galya B	02/07/2024 01:56 PM
4129	User Interface	Feature	Closed	Normal	map web client users to OS accounts	Galya B	02/07/2024 01:52 PM
4856	User Interface	Feature	Closed	Normal	web client session forking	Galya B	02/07/2024 01:51 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
6496	Database	Feature	Test	High	add equivalent support for -trig command line option	Alexandru Donica	02/02/2024 11:36 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
6488	Base Language	Support	New	Normal	write tests which use Java Open Client to access the appserver testcases		01/31/2024 07:25 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
7020	Database	Feature	Review	Normal	always use "expanded" extent fields	Ovidiu Maxiniuc	01/24/2024 09:28 PM
4057	Database	Bug	New	Normal	h2 performance degradation	Stanislav Lomany	01/23/2024 04:31 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
6414	Database	Feature	Closed	Normal	ERROR attribute for buffer, dataset and temp-table	Ovidiu Maxiniuc	01/19/2024 02:06 AM
4065	Base Language	Feature	WIP	Normal	server-side processing of client platform dependencies	Hynek Cihlar	01/12/2024 04:54 AM
3303	Runtime Infrastructure	Support	WIP	Normal	make the automated deployment process fully production ready	Roger Borrello	01/09/2024 09:21 AM
6497	Base Language	Feature	Closed	Normal	add equivalent support for the -T command line option	Theodoros Theodorou	12/19/2023 09:38 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
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
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
7076	Database	Feature	Closed	Normal	make CAN-FIND avoid hydration	Dănuț Filimon	11/07/2023 05:27 PM
6855	Database	Support	WIP	Normal	database/persistence tests	Marian Edu	11/06/2023 04:23 AM
7957	Build and Source Control	Support	New	Normal	testcases project setup		11/02/2023 08:42 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
7963	Database	Support	New	Normal	disable dirty share database and test existing customer applications		10/25/2023 10:49 AM

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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
3855	Base Language	Feature	New	Normal	implement equivalent support for REST (classic appserver, PASOE REST and WEB transports)		10/10/2023 08:33 AM
4658	Base Language	Feature	WIP	Normal	OO serialization support		10/10/2023 08:31 AM
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
3854	Base Language	Feature	Closed	Normal	update appserver support with PASOE features	Constantin Asofiei	10/09/2023 03:49 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
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
7802	Database	Feature	New	Normal	implement INACTIVE index support		09/15/2023 09:03 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
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
5276	Base Language	Bug	New	Normal	resolve issues with multi-byte character processing		09/13/2023 08:17 AM
6428	Base Language	Feature	New	Normal	implement IS-LEAD-BYTE() built-in function		09/13/2023 08:16 AM
6237	Conversion Tools	Feature	Closed	Normal	OEUnit support	Vladimir Tsichevski	09/08/2023 11:45 AM
6371	Database	Feature	Closed	Normal	implement SAVE CACHE statement	Boris Schegolev	09/06/2023 07:00 AM
4032	Base Language	Support	New	Normal	block/transaction processing context-local and other performance improvements		08/31/2023 06:34 AM
6438	User Interface	Feature	Closed	Normal	frame attributes, methods and options	Eugenie Lyzenko	08/28/2023 09:05 AM
3704	User Interface	Feature	New	Normal	enable automated testing for GUI (Swing and web clients)		08/23/2023 10:28 AM
7709	User Interface	Feature	New	Normal	ABLUnit support for web clients		08/23/2023 10:15 AM
7714	Conversion Tools	Bug	New	Normal	basepath cannot have trailing backslash (/)		08/17/2023 08:24 AM
6420	Base Language	Feature	Review	Normal	implement the AUDIT-ENABLED() built-in function	Theodoros Theodorou	08/11/2023 10:55 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
7675	Runtime Infrastructure	Feature	New	Normal	add missing runtime support for 4GL command line parameters		08/11/2023 10:50 AM
6856	User Interface	Support	New	Normal	user interface tests	Marian Edu	08/07/2023 10:19 AM
3853	Base Language	Feature	New	Normal	implement LOG-MANAGER runtime	Galya B	08/07/2023 08:53 AM

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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
6862	Conversion Tools	Support	New	Normal	build conversion regression testing tooling		07/12/2023 11:18 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
3868	Base Language	Feature	Test	Normal	customer servlet integration/support	Constantin Asofiei	07/03/2023 01:44 PM
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
6494	Database	Feature	New	Normal	add equivalent support for the -noduptidxerror command line parameter	Eduard Soltan	06/26/2023 04:36 AM
5568	Runtime Infrastructure	Support	New	Normal	implement application-specific TERMINFO database overrides	Eugenie Lyzenko	06/22/2023 08:56 AM
5130	Database	Feature	Rejected	Normal	improve management of p2jpl.jar in deployment scripts		06/09/2023 09:11 AM
1886	Build and Source Control	Feature	Closed	Normal	implement a unit testing framework		06/09/2023 09:06 AM
1889	Build and Source Control	Feature	New	Normal	rework the date.java internal tests as real unit tests		06/09/2023 09:05 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
4550	Database	Support	Closed	Normal	eliminate the need to place the p2jspi.jar in the JVM extension directory		06/08/2023 05:13 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
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
1848	Runtime Infrastructure	Feature	New	Normal	make logging settings controllable dynamically at runtime		05/10/2023 08:06 AM
7169	Conversion Tools	Feature	New	Normal	drive conversion order using user-specified dependencies	Greg Shah	05/06/2023 09:42 AM
1826	User Interface	Feature	Closed	Normal	GUI web client skinning support (look and feel control) via CSS		05/04/2023 09:07 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
6208	Build and Source Control	Bug	Closed	Normal	cleanup build warnings	Tomasz Domin	04/27/2023 11:41 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
7257	Conversion Tools	Support	New	Normal	Should deploy.prepare delete all contents of deploy/lib/ before copying?		04/06/2023 10:22 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
4766	Base Language	Bug	New	Normal	fix CHR and ASC		04/05/2023 12:43 PM
6411	Base Language	Feature	Closed	Normal	LOB-DIR I/O option support	Eugenie Lyzenko	04/04/2023 11:50 AM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
6300	Base Language	Feature	Closed	Normal	class definitions with USE-WIDGET-POOL	Constantin Asofiei	04/04/2023 10:08 AM
6853	Build and Source Control	Support	New	Normal	implement automated 4GL compatibility testing and CI/CD		03/31/2023 12:35 PM
6256	Conversion Tools	Feature	WIP	Normal	improved profile support	Constantin Asofiei	03/30/2023 06:51 AM
6861	Conversion Tools	Support	New	Normal	valid and invalid 4GL syntax (parsing)	Marian Edu	03/27/2023 03:59 AM
4382	Base Language	Feature	Closed	Normal	implement configurable directory override for PROGRESS global variable	Theodoros Theodorou	03/27/2023 03:37 AM
6421	Base Language	Feature	Closed	Normal	finish GENERATE-RANDOM-KEY support	Theodoros Theodorou	03/27/2023 03:36 AM
6860	Conversion Tools	Support	WIP	Normal	lexer tests	Marian Edu	03/27/2023 03:33 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
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
6409	Conversion Tools	Support	New	Normal	generate "railroad style" syntax diagrams for the progress parser		03/03/2023 02:04 PM
6426	Base Language	Feature	Closed	Normal	implement ERROR-STATUS:CLEAR()	Theodoros Theodorou	02/20/2023 04:10 PM
1757	Conversion Tools	Feature	New	Normal	update ANTLR to latest version		02/16/2023 08:31 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
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
6319	Conversion Tools	Feature	New	Normal	IntelliJ plugin		02/10/2023 09:34 AM
6348	Database	Feature	WIP	Normal	implement support for MariaDB	Ovidiu Maxiniuc	02/03/2023 10:50 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
7080	Runtime Infrastructure	Feature	New	Normal	replace admin console GWT servlet transport with a REST API		01/27/2023 08:38 AM
1554	Harness	Feature	WIP	Normal	enhance the command-line to provide better user feedback on the state of testing	Tomasz Domin	01/20/2023 02:27 PM
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
6709	Database	Support	WIP	Normal	track nested FIND inside a related FOR loop	Dănuț Filimon	01/06/2023 02:51 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
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

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
6708	Database	Support	Review	Normal	track/report at runtime when AdaptiveQuery shifts into dynamic mode	Dănuț Filimon	12/08/2022 05:57 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
5567	Runtime Infrastructure	Support	Closed	Normal	move FWD to Java 11	Tomasz Domin	11/08/2022 02:04 PM
6898	Database	Feature	New	Normal	PostgreSQL schema improvements		11/01/2022 08:33 AM
4058	Database	Support	New	Normal	consider denormalizing tables as the default approach		11/01/2022 08:32 AM
4149	Base Language	Bug	New	Normal	BlockManager and TransactionManager handle TransactionType.NONE incorrectly		10/31/2022 10:30 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
5776	Runtime Infrastructure	Feature	Test	Normal	reduce memory requirements for the FWD client	Tomasz Domin	10/17/2022 09:50 AM
6835	Database	Bug	New	Normal	deferred work for #6257		10/11/2022 08:51 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
4011	Database	Feature	Closed	Normal	database/persistence layer performance improvements		10/07/2022 06:57 AM
6416	Base Language	Feature	New	Normal	explore and implement ideas to make OO 4GL more efficient		10/06/2022 10:01 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
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
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
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
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
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
6700	Database	Feature	New	Normal	refactor prodaset 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
6320	Conversion Tools	Feature	New	Normal	sharded schemata		08/24/2022 04:52 PM
6265	Harness	Feature	New	Normal	generate junit-compatible xml results for output		08/18/2022 09:39 AM
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
4061	Base Language	Support	New	Normal	base language performance work		08/01/2022 10:22 AM
6646	Runtime Infrastructure	Feature	New	Normal	short circuit legacy REST program invocation		08/01/2022 08:04 AM

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5118	User Interface	Bug	WIP	Normal	TREELIST widget issues	Vladimir Tsichevski	07/19/2022 10:44 AM
6084	Runtime Infrastructure	Bug	Test	Normal	NIO SSL performance is slower than standard Java SSL	Igor Skorniyakov	07/14/2022 11:44 AM
5742	User Interface	Feature	Test	Normal	improve web client startup time	Tomasz Domin	06/20/2022 08:45 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
6506	Base Language	Feature	New	Normal	implement CGI WebSpeed support and the standard web-disp.p dispatch functionality		06/09/2022 02:24 AM
6430	Base Language	Feature	New	Normal	implement features dependent upon CPCOLL/CPCASE		06/08/2022 09:34 PM
6479	Database	Feature	New	Normal	pending DISCONNECT and static buffers		06/08/2022 02:25 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
6498	Base Language	Feature	New	Normal	add equivalent support for the -errorstack command line option		06/06/2022 12:34 PM
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
6486	Runtime Infrastructure	Feature	New	Normal	complete the admin console		06/03/2022 08:47 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
4406	Runtime Infrastructure	Feature	New	Normal	server-side REST execution without appserver agents		06/02/2022 10:53 AM
6474	User Interface	Bug	New	Normal	finish CAN-SET, CAN-QUERY, LIST-QUERY-ATTRS, LIST-SET-ATTRS		05/30/2022 08:59 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
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
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
6429	Base Language	Feature	New	Normal	implement I18N tests and fix issues to make the tests work		05/26/2022 07:41 PM
6427	Base Language	Feature	New	Normal	finish the COMPARE built-in function		05/26/2022 06:51 PM
3810	Base Language	Feature	Closed	Normal	SECURITY-POLICY and other security features	Igor Skorniyakov	05/26/2022 03:44 PM

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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
6280	Base Language	Feature	New	Normal	date literal // quirk		05/26/2022 03:24 PM
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
6408	Conversion Tools	Feature	New	Normal	add and fix some Analytics reports		05/25/2022 12:37 PM
1821	User Interface	Feature	Closed	Normal	implement a tab control widget to replace the TabControl OCX		05/23/2022 08:39 AM
6379	Database	Feature	New	Normal	buffer parameters can work as structural matches (without field name matching)		05/20/2022 07:47 AM
4369	Database	Feature	New	Normal	implement stateless FWD server clustering		05/17/2022 10:51 AM
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
3326	Base Language	Feature	New	Normal	implement the equivalent to the .NET Open Client		05/13/2022 09:43 AM
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
6308	Conversion Tools	Bug	New	Normal	post string literal alternative coding quirk in 4GL preprocessor		04/29/2022 01:49 PM
6255	Conversion Tools	Feature	WIP	Normal	simplify the namespace configuration, part deux	Ovidiu Maxiniuc	04/26/2022 08:52 AM
6292	Base Language	Feature	New	Normal	nested catch blocks		04/25/2022 01:20 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
6253	Conversion Tools	Feature	Closed	Normal	add file-set processing into p2j.cfg.xml	Constantin Asofiei	04/19/2022 12:02 PM
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
6203	Conversion Tools	Feature	Closed	Normal	create cvtpath and move conversion database into that directory	Constantin Asofiei	04/13/2022 09:20 AM
6270	Conversion Tools	Feature	New	Normal	annotations-based per-file hints		04/11/2022 11:25 AM
3699	Conversion Tools	Feature	Closed	Normal	improve call-graph visualization to make it much more usable	Constantin Asofiei	04/06/2022 05:20 PM
6187	Database	Feature	New	Normal	eliminate explicit buffer usage in can-find		03/25/2022 06:27 AM
6085	Runtime Infrastructure	Bug	New	Normal	NIO SSL hang when starting batch processes from the server		02/21/2022 08:48 AM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
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
4438	User Interface	Feature	WIP	Normal	parsing and conversion of .wrx files	Marius Gligor	02/20/2022 04:16 AM
6026	User Interface	Bug	New	Normal	line drawing issue in WebGL renderer		01/31/2022 08:43 AM
1847	Runtime Infrastructure	Feature	New	Normal	improve server instrumentation		01/25/2022 04:40 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
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
5917	Conversion Tools	Bug	Closed	Normal	ReportDriver abend	Greg Shah	12/21/2021 02:43 PM
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
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
5883	Database	Feature	New	Normal	use UUIDs to associate locations in the converted source code with lock operations		12/08/2021 02:49 PM
4105	Conversion Tools	Feature	Closed	Normal	improve flexibility of schema loading	Ovidiu Maxiniuc	12/06/2021 08:19 AM
4557	User Interface	Bug	New	Normal	radio-set deviations from the 4GL GUI		11/18/2021 10:23 AM
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
5729	Base Language	Feature	New	Normal	implement polymorphic reflection support for properties and variables		10/28/2021 04:18 AM
2971	User Interface	Bug	New	Normal	rework tooltip support to use OverlayWindow		10/25/2021 07:01 AM
5744	Base Language	Bug	Closed	Normal	failure processing shutdown hook to delete a temp directory	Vladimir Tsichevski	10/20/2021 07:18 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
4132	Runtime Infrastructure	Feature	Closed	Normal	implement configurable user and session limits	Greg Shah	09/22/2021 06:16 PM
4366	Base Language	Feature	Closed	Normal	support TLS 1.2 and other updated secure socket protocols	Roger Borrello	09/16/2021 07:16 PM
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
4723	Database	Feature	New	Normal	make it significantly easier to run database import		08/10/2021 05:53 PM

#	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
4955	User Interface	Support	Closed	Normal	web client/javascript drawing - fast vs crisp	Sergey Ivanovskiy	08/04/2021 02:29 PM
2696	Runtime Infrastructure	Support	New	Normal	security review		08/04/2021 09:59 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
3880	User Interface	Feature	WIP	Normal	enhanced browse 3rd phase of improvements	Stanislav Lomany	08/02/2021 03:23 PM
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
5510	User Interface	Feature	New	Normal	delegated click mode for SYSTEM-DIALOG GET-FILE		07/02/2021 11:51 AM
3871	Database	Support	Closed	Normal	determine how to change codepages/locales during import	Ovidiu Maxiniuc	06/14/2021 02:57 PM
3930	Database	Feature	Closed	Normal	allow session level control over the database(s) which are auto-connected	Igor Skorniyakov	06/14/2021 08:07 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
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
2617	Database	Feature	Closed	Normal	implement RCODE-INFORMATION attributes	Constantin Asofiei	05/27/2021 04:19 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
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
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
5354	Runtime Infrastructure	Support	New	Normal	usage of GraalVM for better performance		05/19/2021 10:10 AM
4076	Conversion Tools	Feature	New	Normal	remove empty triggers during conversion		05/11/2021 08:05 PM
4164	User Interface	Feature	WIP	Normal	implement misc UI features (frame options, misc attributes)	Stanislav Lomany	05/04/2021 02:45 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
2677	User Interface	Bug	New	Normal	fix drawing and functional differences between P2J GUI and 4GL GUI		04/21/2021 06:41 PM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
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
3813	Database	Feature	Closed	Normal	misc DB features part deux	Igor Skorniyakov	04/12/2021 06:40 AM
4661	User Interface	Feature	Closed	Normal	add support for missing formats to image loading	Sergey Ivanovskiy	04/09/2021 09:47 AM
4762	Base Language	Feature	New	Normal	localize system error messages		04/08/2021 10:07 AM
4768	Base Language	Feature	Closed	Normal	finish copy-lob support	Ovidiu Maxiniuc	04/08/2021 06:53 AM
4378	Base Language	Feature	Closed	Normal	properly handle clob/lonchar assignment, especially the implicit codepage conversion	Ovidiu Maxiniuc	04/08/2021 06:52 AM
4761	Base Language	Feature	New	Normal	I18N phase 3		04/07/2021 09:39 AM
4396	Base Language	Feature	Closed	Normal	add LONGCHAR support to X-DOCUMENT:LOAD()	Ovidiu Maxiniuc	04/01/2021 03:24 PM
4174	User Interface	Feature	Closed	Normal	implement calendar control/dtpicker OCX replacement	Sergey Ivanovskiy	03/30/2021 06:20 PM
2316	Runtime Infrastructure	Feature	New	Normal	improve directory XML encoding		03/24/2021 08:02 AM
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
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
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
5009	Base Language	Feature	Closed	Normal	add OS-USERID function as 4GL extension	Greg Shah	03/19/2021 07:29 AM
3574	Database	Feature	Closed	Normal	finish implementation of temp-table XML support	Ovidiu Maxiniuc	03/17/2021 04:36 PM
1888	Build and Source Control	Feature	Closed	Normal	integrate the framework into the build	Vladimir Tsichevski	03/17/2021 03:18 PM
5170	Runtime Infrastructure	Feature	New	Normal	add support for cloud-based load balancing and WAF		03/08/2021 11:11 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
1887	Build and Source Control	Feature	Closed	Normal	research unit testing frameworks and make an appropriate selection	Greg Shah	03/08/2021 07:09 AM
5184	Runtime Infrastructure	Feature	New	Normal	enable non-SSL mode for Jetty		03/06/2021 01:29 PM
4170	User Interface	Feature	Closed	Normal	add drag and drop support to treeview widget	Sergey Ivanovskiy	02/26/2021 02:36 PM
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
5146	Base Language	Feature	New	Normal	record additional legacy class and method data in annotations		02/21/2021 11:28 AM
4397	Database	Feature	Closed	Normal	add database attrs, methods and options	Ovidiu Maxiniuc	02/19/2021 10:48 AM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
5153	User Interface	Bug	New	Normal	improvements to down body processing		02/19/2021 07:24 AM
3283	User Interface	Feature	New	Normal	add 4GL extension to obtain the mouse pointer location		02/16/2021 08:45 AM
5131	Database	Feature	New	Normal	improve management of the cluster and database instances from build.xml		02/04/2021 12:58 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
3294	Database	Feature	Closed	Normal	implement temp-table XML support from #3257-34	Eric Faulhaber	01/27/2021 08:29 PM
5025	Base Language	Bug	Closed	Normal	syserror, jsonerror...	Constantin Asofiei	01/27/2021 01:17 PM
2109	Conversion Tools	Bug	New	Normal	a comment that is the first node in a block doesn't have a new-line after it		01/25/2021 05:14 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
5060	Runtime Infrastructure	Feature	New	Normal	make it easy to configure and setup the runtime		12/28/2020 09:44 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
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
1842	Runtime Infrastructure	Feature	New	Normal	implement the multi-source directory approach		12/28/2020 06:33 PM
5058	Runtime Infrastructure	Feature	New	Normal	write installer for binary FWD distribution		12/28/2020 06:11 PM
5059	Runtime Infrastructure	Feature	New	Normal	make it easy to install FWD		12/28/2020 06:09 PM
2546	User Interface	Feature	Closed	Normal	implement combo-box widget in GUI	Eugenie Lyzenko	12/01/2020 07:16 AM
3225	Conversion Tools	Feature	WIP	Normal	windows vs linux in p2j.cfg.xml	Ovidiu Maxiniuc	11/30/2020 03:01 PM
5011	Base Language	Bug	New	Normal	unimplemented OO 4GL quirks and bugs		11/20/2020 09:16 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
4999	Conversion Tools	Support	New	Normal	pre-converted Posset		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 Posset call-graph hints		11/05/2020 10:18 AM
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
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
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
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
3753	Base Language	Feature	Closed	Normal	l18N additions		07/15/2020 03:11 PM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
2135	Base Language	Feature	Closed	Normal	implement COPY-LOB language statement	Eric Faulhaber	07/15/2020 03:07 PM
4767	Base Language	Bug	New	Normal	memptr set-size() issue		07/15/2020 02:56 PM
4763	Base Language	Feature	New	Normal	replace any hard coded dependencies on charset processing		07/15/2020 02:51 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
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
4657	Base Language	Support	WIP	Normal	memory overhead from preloading classes with LegacySignature	Constantin Asofiei	06/20/2020 12:10 PM
2683	User Interface	Feature	Closed	Normal	reverse proxy implementation	Sergey Ivanovskiy	06/20/2020 12:02 PM
3819	Runtime Infrastructure	Feature	New	Normal	PROFILER system handle		06/20/2020 12:01 PM
4395	Base Language	Feature	Closed	Normal	add support for KEEP-MESSAGES option	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
4394	User Interface	Feature	Closed	Normal	add some frame options and attributes	Roger Borrello	06/20/2020 12:00 PM
4162	Base Language	Feature	Closed	Normal	enhance existing SESSION:STARTUP-PARAMETERS support to honor -iname value		06/20/2020 11:59 AM
3812	Base Language	Feature	Closed	Normal	additions to SESSION system-handle	Constantin Asofiei	06/20/2020 11:58 AM
4381	Base Language	Feature	Closed	Normal	implement LIBRARY() and MEMBER() built-in functions	Roger Borrello	06/20/2020 11:58 AM
4375	Database	Feature	Closed	Normal	add support for -pf <profile_filename> option for CONNECT statement	Igor Skorniyakov	06/20/2020 11:56 AM
3876	User Interface	Feature	Closed	Normal	add support for "direct font control" at the widget level	Hynek Cihlar	06/20/2020 11:52 AM
4135	User Interface	Bug	Review	Normal	high dpi screens display in low dpi	Sergey Ivanovskiy	06/06/2020 12:15 PM
3757	Database	Feature	WIP	Normal	add metadata support	Ovidiu Maxiniuc	05/08/2020 03:20 AM
3869	Base Language	Feature	New	Normal	enhance JasperReports support with sub-reports and ProDataSets		05/04/2020 05:45 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 a cleaner, MVC design		04/08/2020 09:05 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
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
3867	Base Language	Feature	Closed	Normal	direct java class access from 4GL code	Greg Shah	03/13/2020 03:39 PM
4122	Runtime Infrastructure	Bug	Closed	Normal	spawner segmentation fault when OS user has no password set	Eugenie Lyzenko	03/13/2020 03:38 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

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
4549	Runtime Infrastructure	Support	New	Normal	reduce/eliminate installation dependencies		02/19/2020 02:11 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
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
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
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
3809	Database	Feature	Closed	Normal	ProDataSet support	Ovidiu Maxiniuc	01/22/2020 05:49 PM
3908	User Interface	Feature	Closed	Normal	implement browse column VIEW-AS COMBO-BOX	Stanislav Lomany	01/21/2020 09:13 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
4451	User Interface	Feature	New	Normal	implement theme-specific resource pathing		12/06/2019 12:47 PM
4452	User Interface	Feature	New	Normal	expose some specific FWD client state		12/06/2019 12:42 PM
3961	Database	Bug	New	Normal	"Unexpected code path" failure when using H2 in MVCC mode		11/22/2019 12:56 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
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
3960	Database	Bug	Closed	Normal	localedef problems in Ubuntu 18.04	Greg Shah	11/13/2019 04:17 PM
1521	Conversion Tools	Feature	WIP	Normal	implement gap analysis rules or backing database/marker approach		11/13/2019 12:09 PM
3759	Database	Feature	Closed	Normal	setup, test and document PostgreSQL on Windows	Eugenie Lyzenko	11/13/2019 12:05 PM
3468	Build and Source Control	Bug	Closed	Normal	invalid characters in source files	Eugenie Lyzenko	11/13/2019 11:57 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
4080	Database	Support	New	Normal	AWS Aurora support		11/10/2019 10:24 AM
4389	Conversion Tools	Feature	New	Normal	escape support for supplementary unicode characters		11/07/2019 06:52 PM
3758	Database	Feature	Closed	Normal	misc database features	Eric Faulhaber	11/06/2019 09:16 AM
4380	Base Language	Feature	New	Normal	finish work on some security features		11/03/2019 06:08 AM
4376	Database	Support	New	Normal	test replication trigger implementation		10/30/2019 10:39 AM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
3751	Base Language	Feature	Closed	Normal	implement support for OO 4GL and structured error handling	Greg Shah	10/30/2019 09:59 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
3940	User Interface	Feature	Closed	Normal	CREATE-RESULT-LIST-ENTRY() method support	Stanislav Lomany	10/12/2019 10:19 AM
3811	User Interface	Feature	Closed	Normal	more misc UI features	Marius Gligor	10/10/2019 09:28 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
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
4012	Database	Feature	Review	Normal	replacing TCP/IP (AF_INET) sockets with Unix Domain Sockets (AF_UNIX)		09/10/2019 03:36 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
3253	Base Language	Feature	WIP	Normal	add cross-session publish/subscribe	Constantin Asofiei	09/03/2019 02:10 PM
1820	User Interface	Feature	New	Normal	implement a tree widget to replace the TreeView and ImageList OCXs		08/22/2019 10:26 AM
3866	User Interface	Feature	Closed	Normal	finish TreeView widget	Hynek Cihlar	08/22/2019 10:24 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
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
4128	Database	Feature	New	Normal	defer transaction start until the time when real edits begin		07/03/2019 04:14 PM
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
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
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
4064	Base Language	Feature	New	Normal	large-raw data type		05/02/2019 10:19 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
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
4059	User Interface	Support	New	Normal	UI performance improvements (master task)		05/01/2019 11:25 AM
1795	User Interface	Feature	Closed	Normal	implement printing support (real GUI printing not the child process stuff used in CHUI)	Hynek Cihlar	04/23/2019 07:34 AM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
4049	User Interface	Feature	New	Normal	implement mouse wheel for combo-boxes		04/22/2019 06:32 PM
3281	User Interface	Feature	Closed	Normal	implement some frame options	Constantin Asofiei	04/22/2019 01:07 PM
4043	Bugs	Bug	New	Normal	Eclipse static code analysis potential issues	Igor Skornyakov	04/19/2019 06:06 AM
3762	User Interface	Feature	Closed	Normal	misc UI features	Constantin Asofiei	04/16/2019 08:46 AM
3469	User Interface	Feature	Closed	Normal	final improvements and polish for the embedded mode web client	Constantin Asofiei	03/18/2019 03:16 PM
3872	Database	Feature	New	Normal	implement a two stage import process		02/27/2019 01:00 PM
3500	Database	Feature	Closed	Normal	implement CLOB and BLOB support	Eric Faulhaber	02/25/2019 09:35 AM
3044	Database	Feature	New	Normal	dynamic validation expression support		02/07/2019 02:36 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
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
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
3696	Conversion Tools	Feature	WIP	Normal	implement Progress AST anti-parser	Greg Shah	12/06/2018 08:20 AM
3755	Base Language	Feature	Closed	Normal	DEBUGGER system handle stubs	Constantin Asofiei	12/04/2018 05:12 PM
3756	Base Language	Feature	WIP	Normal	minor modifications for SESSION system handle support	Constantin Asofiei	12/04/2018 02:07 PM
3760	Database	Feature	Closed	Normal	temp-table options	Ovidiu Maxiniuc	12/03/2018 09:37 AM
3752	Base Language	Feature	Closed	Normal	CLIENT-PRINCIPAL resource and other security features	Constantin Asofiei	12/03/2018 09:08 AM
3754	Base Language	Feature	Closed	Normal	TRANSACTION resource support	Constantin Asofiei	11/13/2018 04:22 PM
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
2673	User Interface	Feature	WIP	Normal	support a kind of virtual desktop in the GUI web client	Sergey Ivanovskiy	10/16/2018 12:53 PM
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
2676	User Interface	Feature	Closed	Normal	implement the equivalent to configurable support for a windows theme	Ovidiu Maxiniuc	09/21/2018 12:23 PM
2110	Conversion Tools	Feature	Closed	Normal	improve orphan comment processing	Greg Shah	09/16/2018 05:38 PM
3711	Conversion Tools	Bug	New	Normal	resolve remaining orphaned comments cases		09/14/2018 12:48 PM
3703	Conversion Tools	Feature	New	Normal	add lint reports		08/28/2018 10:07 AM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
3695	Conversion Tools	Feature	New	Normal	instrument 4GL code for automated call-graph hint generation		08/24/2018 10:00 AM
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
1511	Conversion Tools	Feature	New	Normal	Reporting v3		08/23/2018 10:44 AM
3277	Conversion Tools	Feature	Closed	Normal	implement call-graph v3	Greg Shah	08/23/2018 10:44 AM
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
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
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
3681	User Interface	Feature	New	Normal	replace the window decorations with a lightweight implementation		08/17/2018 11:14 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
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
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
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
3621	User Interface	Feature	WIP	Normal	check if the MODIFIED attribute is reset by assignment of the SCREEN-VALUE when linUIStmt		06/13/2018 10:02 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
2765	User Interface	Bug	Closed	Normal	find proper freely licensed replacements for the MS Windows OS fonts	Eugenie Lyzenko	05/23/2018 06:44 PM
3575	User Interface	Bug	New	Normal	"implicit copy from screen buffer" version of the ASSIGN statement is broken		05/18/2018 01:46 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
3549	Database	Feature	New	Normal	implement RAW-TRANSFER statement		04/20/2018 11:41 AM
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
3474	User Interface	Feature	Closed	Normal	OPEN-MIME-RESOURCE	Sergey Ivanovski	04/15/2018 10:29 PM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
3495	Database	Bug	Closed	Normal	invalid date initial value in schema causes a broken DMO constructor	Greg Shah	04/12/2018 06:45 AM
3296	Database	Feature	WIP	Normal	misc db features	Ovidiu Maxiniuc	04/06/2018 01:15 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
1830	User Interface	Bug	Closed	Normal	implement SYSTEM-DIALOG-GET-FILE support	Ovidiu Maxiniuc	03/23/2018 03:03 PM
3262	Base Language	Feature	Closed	Normal	implement COM/OLE Automation support		03/09/2018 11:30 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
3275	User Interface	Feature	Closed	Normal	improve browse support	Stanislav Lomany	03/05/2018 03:08 PM
3467	Base Language	Feature	Closed	Normal	implement clipboard stream support	Sergey Ivanovskiy	02/28/2018 09:21 AM
3287	User Interface	Feature	New	Normal	local web client installation		02/24/2018 12:16 PM
3430	Base Language	Bug	Closed	Normal	non-shared temp-tables are registered with SVM	Constantin Asofiei	02/19/2018 11:28 AM
1807	User Interface	Feature	Closed	Normal	implement clipboard support		02/06/2018 01:24 PM
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
2766	User Interface	Bug	New	Normal	implement a text metrics server process	Constantin Asofiei	12/28/2017 11:13 AM
1770	Conversion Tools	Feature	New	Normal	multi-threaded conversion driver		12/27/2017 12:43 PM
3232	User Interface	Feature	WIP	Normal	implement WINDOW-STATE attribute support	Hynek Cihlar	12/19/2017 04:17 AM
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
3240	Runtime Infrastructure	Feature	Closed	Normal	setup and use of real SSL certificates (NOT self-signed)	Greg Shah	11/24/2017 06:35 AM
2799	User Interface	Bug	New	Normal	browse widget doesn't execute validation expressions in P2J (both chui and gui)		11/20/2017 10:26 AM
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
3292	Base Language	Feature	Closed	Normal	i18n improvements	Ovidiu Maxiniuc	11/01/2017 02:30 PM
3364	Database	Bug	New	Normal	problems with TABLE-HANDLE and TABLE parameters related to BY-REFERENCE		11/01/2017 09:38 AM
3295	Database	Feature	Closed	Normal	improve connect options support per #3257-29	Eric Faulhaber	11/01/2017 09:31 AM
3282	User Interface	Feature	Closed	Normal	create a 4GL language extension to control screen refresh	Hynek Cihlar	10/30/2017 10:32 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

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
3260	User Interface	Feature	Closed	Normal	auto-conversion and enablement for the embedded web client	Constantin Asofiei	10/26/2017 12:06 PM
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
3344	Conversion Tools	Feature	New	Normal	add database reports based on processing during conversion		09/28/2017 12:11 PM
1834	User Interface	Feature	Closed	Normal	implement direct manipulation (drag and drop)	Eugenie Lyzenko	09/27/2017 10:28 AM
3222	Runtime Infrastructure	Feature	Closed	Normal	rewrite admin console for native web (html5/css/javascript)		09/27/2017 04:20 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
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
1517	Conversion Tools	Feature	WIP	Normal	move to a completely database-backed approach to displaying the conversion artifacts (.cache, .lexer...)		09/22/2017 02:35 PM
1516	Conversion Tools	Feature	Closed	Normal	eliminate the overhead from copying artifacts (.cache, .lexer...) multiple times per batch		09/22/2017 02:13 PM
1514	Conversion Tools	Feature	Closed	Normal	implement fully dynamic reports (backed by the database)	Eric Faulhaber	09/22/2017 02:07 PM
1518	Conversion Tools	Feature	New	Normal	report fixes		09/22/2017 01:36 PM
1574	Conversion Tools	Bug	Closed	Normal	broken report links when they target very long filenames		09/22/2017 01:36 PM
2699	Build and Source Control	Feature	Closed	Normal	convert the ant build environment to gradle	Hynek Cihlar	09/07/2017 12:39 PM
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
1818	User Interface	Feature	Closed	Normal	implement a timer service to replace the PSTimer OCX	Ovidiu Maxiniuc	08/25/2017 11:44 AM

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