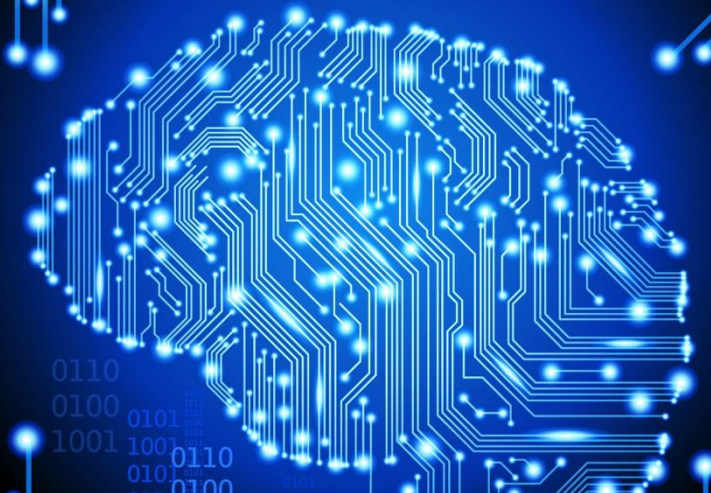


2016 HPCC Systems Engineering Summit – Community Day

Powering Forward with Machine Learning
and Deep Learning



OCTOBER 12, 2016



HPCC SYSTEMS®

Driving HPCC Systems Forward:
The Roadmap now and what the future holds
Lorraine Chapman, Consulting Business Analyst



JIRA Filter: HPCC Systems Roadmap

The screenshot shows a JIRA interface with a filter named 'HPCC Systems Roadmap'. The filter criteria include 'ECL IDE, HPC...', 'All Standard Is...', 'Status: All', 'Assignee: All', and 'Contains text'. The filter is applied to 'Resolution: Unresolved, Fixed' and 'Label: Roadmap'. The results show 1-50 of 72 issues. The table below lists the issues:

Key	Reporter	Assignee	Status	Components	Created	Fix Version/s	Updated	Summary
HPCC-451	Philip Schwartz	Xiaoming Wang	OPEN		13/Sep/11	7.0.0	03/Oct/16	Daemonization of all components
HPCC-1371	Jo Prichard (Inactive)	Available for anyone	OPEN		27/Jan/12		08/Feb/16	DFUSpray from zip, gzip files
HPCC-2946	Gavin Halliday	Gavin Halliday	OPEN		25/Jul/12	7.0.0	24/Aug/16	Volatile/impure handling needs improving
HPCC-8317	Gavin Halliday	Unassigned	OPEN		26/Nov/12	7.0.0	10/May/16	What could be pluggable?
HPCC-8319	Gavin Halliday	Unassigned	OPEN	Code Generator, EclAgent, Roxie, Thor	26/Nov/12		09/Dec/15	Fix problems with conditional execution of shared activities
HPCC-8614	Lorraine Chapman	Gleb Aronsky	RESOLVED	Config UI	17/Jan/13	7.0.0, 6.2.0	28/Sep/16	Improved configmgr
HPCC-9690	Lorraine Chapman	Available for anyone	OPEN	EclWatch	15/Jul/13		17/Feb/16	Provide a new web based debugger
HPCC-9695	Lorraine Chapman	Gordon Smith	ACTIVE	EclWatch	15/Jul/13	6.4.0	22/Sep/16	Enhancements to Graph Viewer
HPCC-9696	Lorraine Chapman	Jake Smith	OPEN		15/Jul/13	7.0.0	10/May/16	Provide a replacement for DALI
HPCC-10027	Lorraine Chapman	Unassigned	OPEN		18/Sep/13		15/Sep/16	ECL Syntax Guide and Wiki
HPCC-10132	Jake Smith	Jake Smith	RESOLVED	Code Generator, EclAgent, Roxie, Thor	30/Sep/13	6.2.0	08/Sep/16	Avoid collecting/rebuilding RHS of lookup/all join if static and in child query
HPCC-10377	Gavin Halliday	Gavin Halliday	OPEN		08/Nov/13	6.4.0	14/Sep/16	Provide ability to analyse workunit performance

HPCC Systems 6.0.0 Roadmap

JIRA Dashboards Projects Issues Agile Create issue Quick Search

Filters: New filter

Find filters

My Open Issues

Reported by Me

Recently Viewed

All Issues

FAVORITE FILTERS

Available for Anyone for Contributors

HPCC Systems Roadmap

Roadmap 6.0.0 (Released)

Roadmap 6.2.0

Roadmap 7.0.0

Roadmap 6.0.0 (Released)

Project: All Standard Is... Status: All Assignee: All Contains text More Advanced

Fix Version: 6.0.0 Label: RoadmapCompleted6.0

1-24 of 24

Key	Reporter	Assignee	Status	Components	Created	Fix Version/s	Updated	Summary
IDE-474	Gordon Smith	David de Hilster	RESOLVED		04/Jan/16	6.0.0	14/Sep/16	Open Source IDE
HPCC-14654	Gavin Halliday	Gavin Halliday	RESOLVED		11/Dec/15	6.0.0	24/Aug/16	Support parallel activity execution
HPCC-12251	Richard Chapman	Richard Chapman	RESOLVED	Workunit	16/Sep/14	6.0.0	24/Aug/16	Create cassandra plugin for workunit storage
HPCC-14522	Gavin Halliday	Gavin Halliday	RESOLVED	Thor	13/Nov/15	6.0.0	24/Aug/16	Affinity support in Thor
HPCC-12267	Gavin Halliday	Gavin Halliday	RESOLVED	Thor	17/Sep/14	6.0.0	24/Aug/16	Add a QUANTILE activity
HPCC-8710	Lorraine Chapman	Jake Smith	RESOLVED	Thor	31/Jan/13	6.0.0	24/Aug/16	Allow Thor slave to run multiple virtual slaves
HPCC-14367	Anthony Fishbeck	Anthony Fishbeck	RESOLVED	Roxie	13/Oct/15	6.0.0	24/Aug/16	roxie support for target alias names
HPCC-13030	Gavin Halliday	Shamser Ahmed	RESOLVED	Roxie, Thor	12/Feb/15	6.0.0	24/Aug/16	Add row tracing support to engines
HPCC-12599	Richard Chapman	Richard Chapman	RESOLVED	Roxie	17/Nov/14	6.0.0	24/Aug/16	Option in Roxie to bind queries to cores
HPCC-9744	Anthony Fishbeck	Anthony Fishbeck	RESOLVED	Roxie	22/Jul/13	6.0.0	24/Aug/16	Add roxie support for HTTP-GET and HTTP-FORM-POST queries
HPCC-14393	Dan S. Camper	Dan S. Camper	RESOLVED	Plugins	16/Oct/15	6.0.0	24/Aug/16	Kafka plugin for Thor and Roxie
HPCC-14512	Rodrigo Pastrana	Russ Whitehead	RESOLVED	LDAP	12/Nov/15	6.0.0	24/Aug/16	Add Securitymanager plug-in support

HPCC Systems 6.2.0 Roadmap

JIRA Dashboards Projects Issues Agile Create issue Quick Search

Filters: Roadmap 6.2.0 — Edited Save Details

Project: All All Standard Is... Resolved Assignee: All Contains text More Advanced

Fix Version: 6.2.0 Label: Roadmap

1-13 of 13

Key	Reporter	Assignee	Status	Components	Created	Fix Version/s	Updated	Summary
HPCC-8614	Lorraine Chapman	Gleb Aronsky	RESOLVED	Config UI	17/Jan/13	7.0.0, 6.2.0	28/Sep/16	Improved configmgr
HPCC-16061	Miguel Vazquez	Gordon Smith	RESOLVED	EclWatch	09/Aug/16	6.2.0	25/Aug/16	Improve nested datasets
HPCC-10132	Jake Smith	Jake Smith	RESOLVED	Code Generator, EclAgent, Roxie, Thor	30/Sep/13	6.2.0	08/Sep/16	Avoid collecting/rebuilding RHS of lookup/all join if static and in child query
HPCC-14879	Jiafu Gao	Kevin Wang	RESOLVED	ecl command	05/Feb/16	6.2.0	18/Aug/16	Support gzip option on request/response in SOAPCALL
HPCC-16150	Lorraine Chapman	Lorraine Chapman	RESOLVED		24/Aug/16	6.2.0	15/Sep/16	Redis Improvements for 6.2.0
HPCC-16149	Lorraine Chapman	Lorraine Chapman	RESOLVED		24/Aug/16	6.2.0	26/Sep/16	Code Generator Improvements for 6.2.0
HPCC-16161	Lorraine Chapman	Lorraine Chapman	RESOLVED		25/Aug/16	6.2.0	27/Sep/16	Build process/init system etc improvements in 6.2.0
HPCC-16148	Lorraine Chapman	Lorraine Chapman	RESOLVED		24/Aug/16	6.2.0	28/Sep/16	Memory Manager improvements for 6.2.0
HPCC-16160	Lorraine Chapman	Lorraine Chapman	RESOLVED		25/Aug/16	6.2.0	03/Oct/16	ECL Watch Notable Improvements for 6.2.0
HPCC-11833	Gordon Smith	Miguel Vazquez	RESOLVED	EclWatch	30/Jun/14	6.2.0	29/Sep/16	Remove all legacy pages from new ECL Watch
HPCC-12464	Anthony Fishbeck	Miguel Vazquez	RESOLVED	EclWatch	22/Oct/14	6.2.0	29/Sep/16	UI for managing DynamicESDL
HPCC-15612	Rodrigo Pastrana	Rodrigo Pastrana	RESOLVED	Plugins	24/May/16	6.2.0	15/Aug/16	Consider providing an embedded ECL Couchbase plugin

HPCC Systems 7.0.0 Roadmap

The screenshot shows the JIRA interface for the 'Roadmap 7.0.0' project. The left sidebar contains filters such as 'New filter', 'Find filters', 'My Open Issues', 'Reported by Me', 'Recently Viewed', 'All Issues', and 'FAVORITE FILTERS' including 'Available for Anyone for Contributors', 'HPCC Systems Roadmap', 'Roadmap 6.0.0 (Released)', 'Roadmap 6.2.0', and 'Roadmap 7.0.0'. The main content area displays a list of 24 issues, with the first 10 visible in the table below.

Key	Reporter	Assignee	Status	Components	Created	Fix Version/s	Updated	Summary
HPCC-14074	Xiaoming Wang	Xiaoming Wang	OPEN	Build process	17/Aug/15	7.0.0	22/Aug/16	Juju Charm adds MySQL, Nangios-monitoring, etc services
HPCC-15821	Allan Francis Wrobel	Gavin Halliday	DISCUSSING	Code Generator	28/Jun/16	7.0.0	31/Aug/16	HPCC to have a full compliment of operators for SETs
HPCC-8614	Lorraine Chapman	Gleb Aronsky	OPEN	Config UI	17/Jan/13	7.0.0, 6.2.0	04/Oct/16	Improved configmgr
HPCC-15502	Allan Francis Wrobel	Available for anyone	OPEN	Core Libraries	05/May/16	7.0.0	31/Aug/16	Request UNICODE equivalent to STD.Str.Translate
HPCC-12372	Jake Smith	Kevin Wang	ACTIVE	EclWatch	03/Oct/14	7.0.0	31/Aug/16	Add a page/area to Eclwatch for admins to see runtime information, e.g. locks/clients
HPCC-14135	Jim DeFabia	Miguel Vazquez	ACTIVE	EclWatch	27/Aug/15	7.0.0	31/Aug/16	Improve Interface for Permissions
HPCC-13896	Gordon Smith	Anthony Fishbeck	OPEN	ESP	13/Jul/15	7.0.0	31/Aug/16	Display contents of index blobs in ECL Watch
HPCC-12516	Jake Smith	Kevin Wang	ACTIVE	ESP	03/Nov/14	7.0.0	22/Aug/16	Generalized Esp caching mechanism
HPCC-16230	Lorraine Chapman	Gavin Halliday	OPEN	Language	08/Sep/16	7.0.0	19/Sep/16	Soft field references
HPCC-2946	Gavin Halliday	Gavin Halliday	OPEN		25/Jul/12	7.0.0	24/Aug/16	Volatile/impure handling needs improving
HPCC-9696	Lorraine Chapman	Jake Smith	OPEN		15/Jul/13	7.0.0	10/May/16	Provide a replacement for DALI
ML-298	John Holt	Roger Dev	OPEN		29/Jul/16	7.0.0	31/Aug/16	Random Forests Bundle
ML-300	John Holt	Roger Dev	OPEN		29/Jul/16	7.0.0	31/Aug/16	Core Decision Trees Bundle

Roadmap - Unassigned/Available for Anyone

JIRA Dashboards Projects Issues Agile Create issue Quick Search

FILTERS << New filter Find filters My Open Issues Reported by Me Recently Viewed All Issues FAVORITE FILTERS Available for Anyone List for Contrib... **HPCC Systems Roadmap** Roadmap 6.0.0 (Released) Roadmap 6.2.0 Roadmap 7.0.0

HPCC Systems Roadmap — Edited Save Details ★ Share Export Tools

ECL IDE, HPC... All Standard Is... Open, Merge P... Unassigned, A... Contains text More Advanced

Label: Roadmap

1–11 of 11 Columns

Key	Reporter	Assignee	Status	Components	Created	Fix Version/s	Updated	Summary
HPCC-12580	Gavin Halliday	Unassigned	OPEN	Code Generator	12/Nov/14		15/Sep/16	Investigate using a more generalized method of specifying attributes on activities
HPCC-12581	Gavin Halliday	Unassigned	OPEN	Code Generator	12/Nov/14		15/Sep/16	Improve the compile errors
HPCC-12582	Gavin Halliday	Unassigned	OPEN	Code Generator	12/Nov/14		15/Sep/16	Improve the meta information generated for eclipse
HPCC-15502	Allan Francis Wrobel	Available for anyone	OPEN	Core Libraries	05/May/16	7.0.0	31/Aug/16	Request UNICODE equivalent to STD.Str.Translate
HPCC-9690	Lorraine Chapman	Available for anyone	OPEN	EclWatch	15/Jul/13		17/Feb/16	Provide a new web based debugger
HPCC-11899	Richard Chapman	Available for anyone	OPEN	Embedded Languages	07/Jul/14		08/Feb/16	Additional embedded language support
HPCC-8319	Gavin Halliday	Unassigned	OPEN	Code Generator, EclAgent, Roxie, Thor	26/Nov/12		09/Dec/15	Fix problems with conditional execution of shared activities
HPCC-1371	Jo Prichard (Inactive)	Available for anyone	OPEN		27/Jan/12		08/Feb/16	DFUSpray from zip, gzip files
HPCC-8317	Gavin Halliday	Unassigned	OPEN		26/Nov/12	7.0.0	10/May/16	What could be pluggable?
HPCC-10027	Lorraine Chapman	Unassigned	OPEN		18/Sep/13		15/Sep/16	ECL Syntax Guide and Wiki
ML-284	John Holt	Unassigned	DISCUSSING		08/Jul/16		04/Aug/16	Define partition dimension function

HPCC Systems Panelists



Jake Smith
Thor



Gavin Halliday
Code Generator



Gordon Smith
ECL Development Tools
and Visualizations



Rodrigo Pastrana
ESP, Plugins and
Add-ons



Russ Whitehead
Security



Roger Dev
Machine Learning

Getting in touch

- Lorraine.Chapman@lexisnexis.com
- Create a JIRA ticket and add a comment asking about the Roadmap
- Post in the HPCC Systems Community forum: <https://hpccsystems.com/bb/>

Contributing

- How to contribute: <https://hpccsystems.com/community/how-to-contribute>
- Developer Wiki on GitHub: <https://github.com/hpcc-systems/HPCC-Platform/wiki>
- Use the HPCC Systems Roadmap filter in JIRA : <https://track.hpccsystems.com/>
- Search in JIRA setting the Assignee field to *Available for Anyone* or *Unassigned*