

# iRODS

## Technology Update



Universiteit Utrecht

renci

DELL EMC

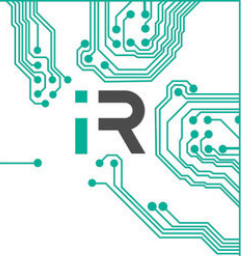
DDN®



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June 13-15, 2017  
iRODS User Group Meeting 2017  
Utrecht, Netherlands

# In The Last Year



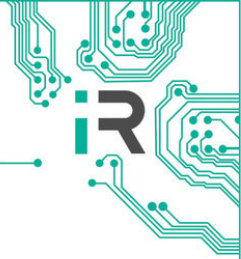
<b>iRODS Release</b>	<b>Issues Closed</b>
4.1.9	38
4.1.10	24
4.2.0	275
4.2.1	34 + 36

Python Rule Engine Plugin

Python iRODS Client (PRC)

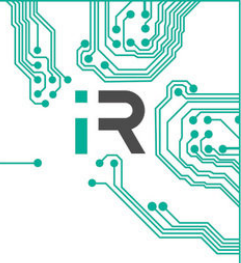
Cloud Browser

# Ongoing Development Work

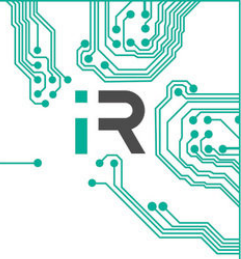


- Python iRODS Client (PRC)
- Python Ingest Tool
- Lustre Integration
- QueryArrow Database Plugin
- Multipart Transfer, v5 API
- Cloud Browser
- Metadata Templates
- Swagger REST API

# Upcoming Releases



- R Client Library (R-iRODS)
- AMQP Audit Rule Engine Plugin
- 4.1.11
- 4.2.2
- 4.3.0



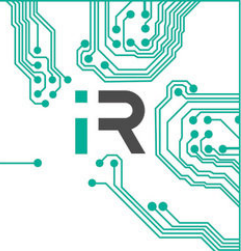
4.2 was about sending things out

- Dynamic PEPs
- Pluggable Rule Engine
- Enterprise Messaging

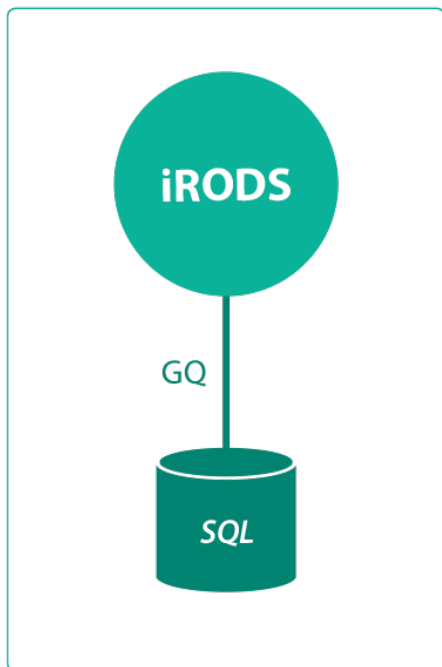
4.3 (and friends) will be about bringing them back

- Facilitated by GQv2

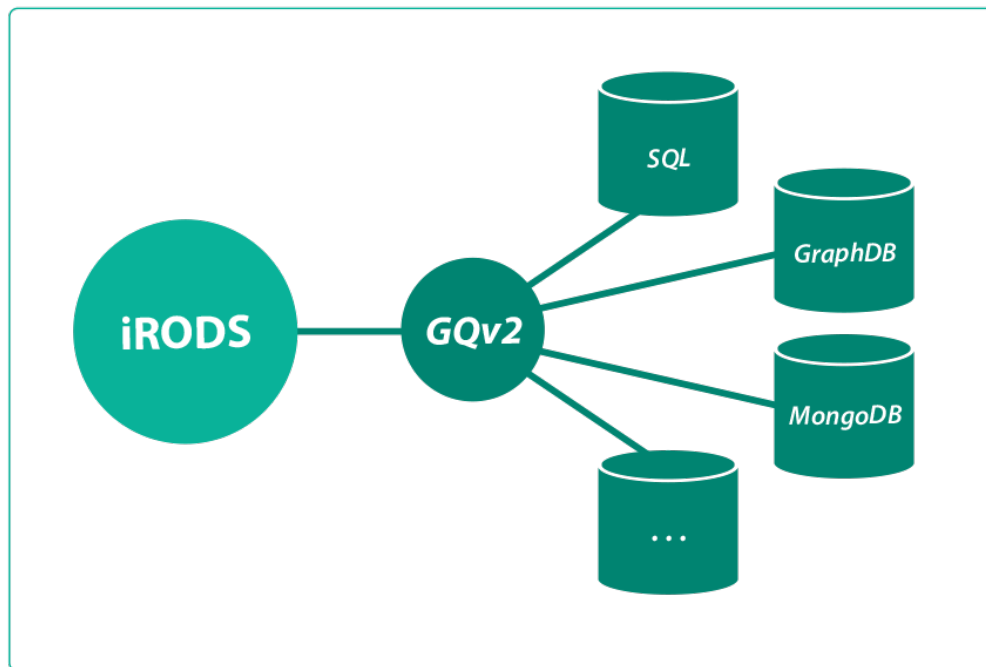
# Big Picture - GenQuery

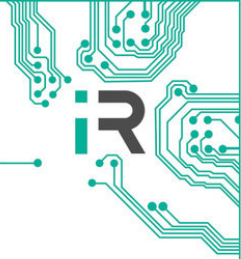


Current GQ

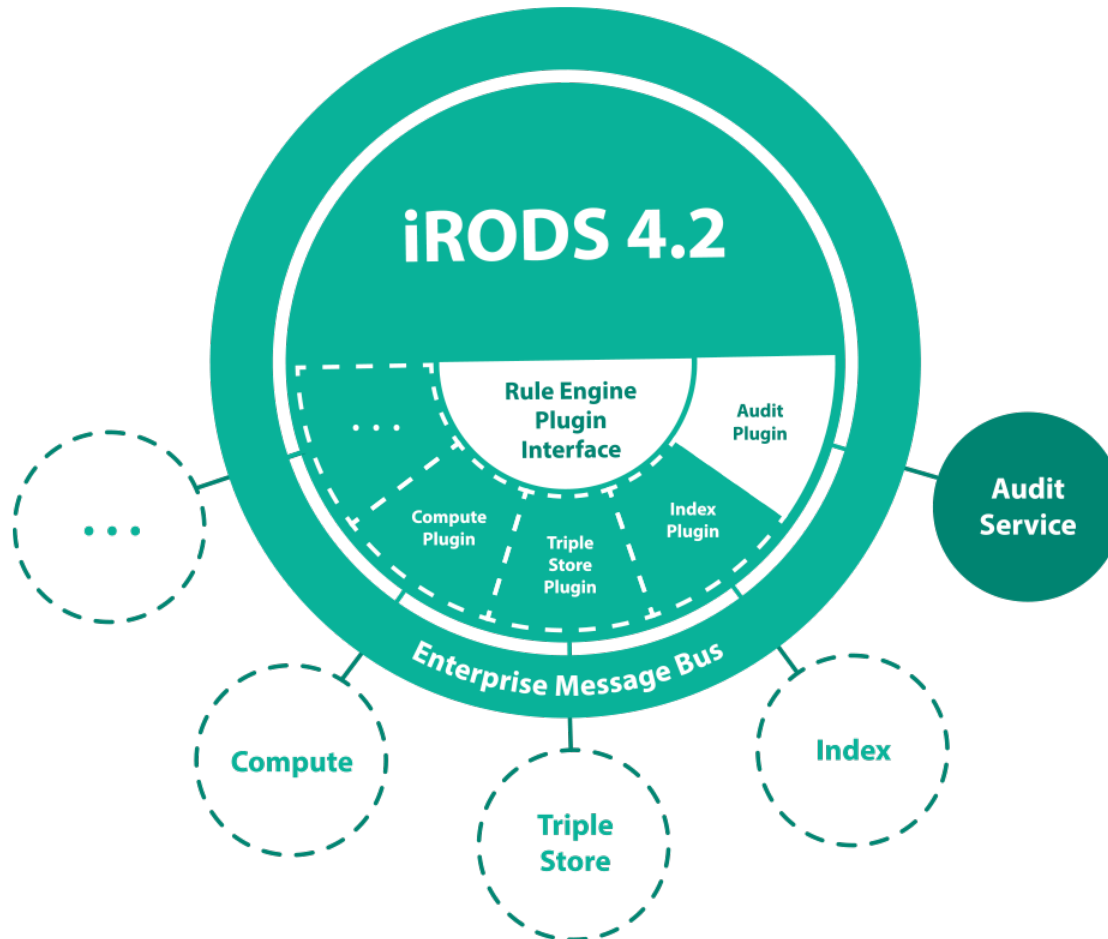


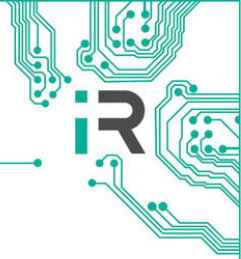
Future GQv2



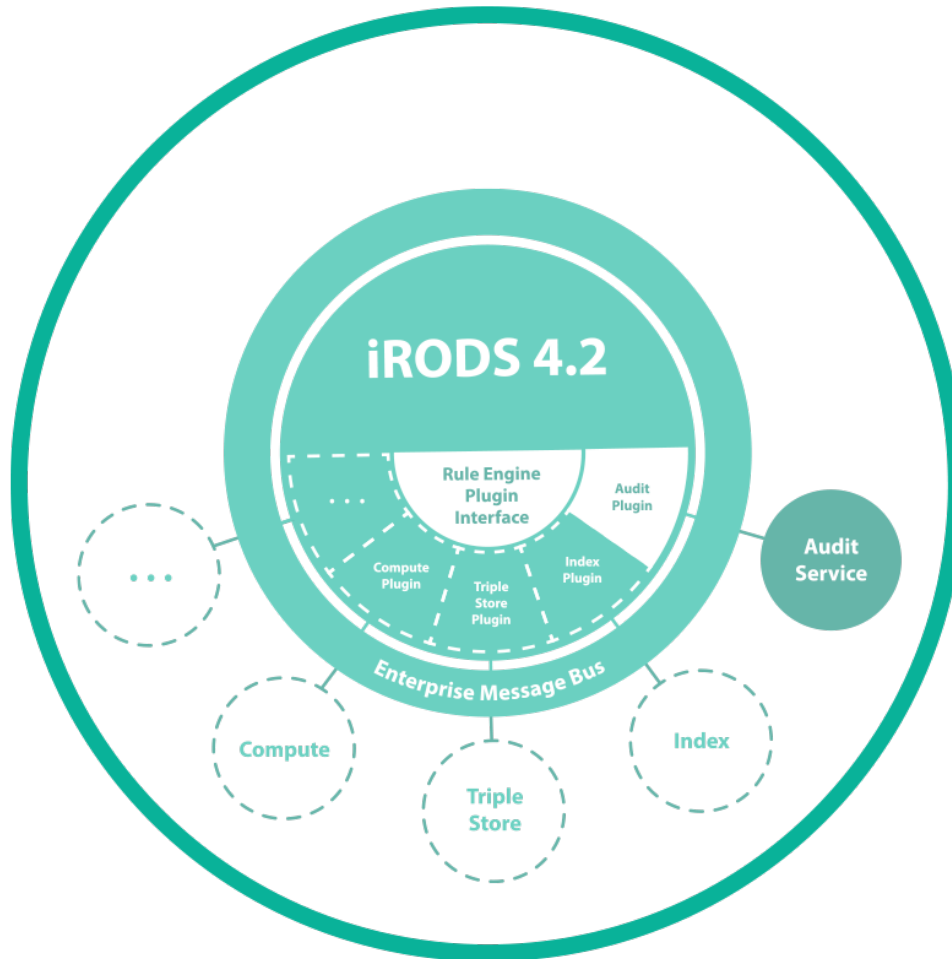


## Enterprise Messaging - Scatter





## Metadata Virtualization - Gather

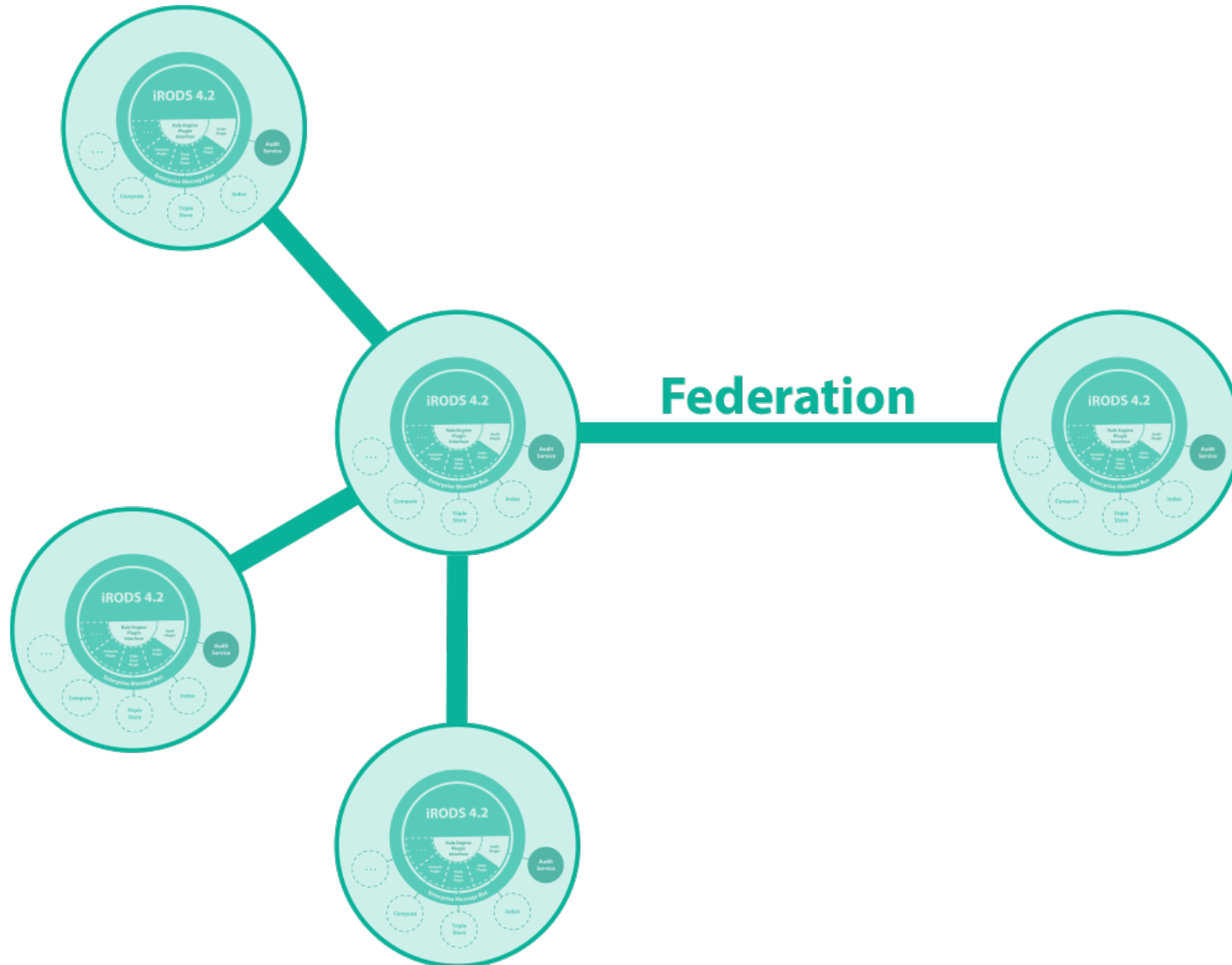
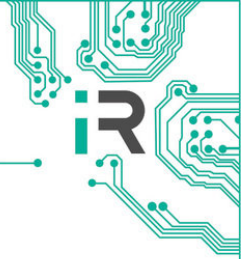


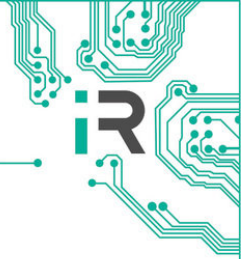
### iRODS 4.3

GQv2 - Suite of Plugins  
Virtualizing Metadata



# Big Picture





- Technology Working Group
- Metadata Templates Working Group
- Filesystem Integration Working Group
- Mime Types Integration Working Group
- GitHub Issues
- Pull Requests
- Chat List
- Consortium Membership