




# FORGEROCK<sup>®</sup>

## Directory Services Update

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LDAPCon  
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 @Ludomp



**FORGEROCK<sup>®</sup>**  
**DIRECTORY SERVICES**



# From OpenDJ to ForgeRock DS

- OpenDJ open source commits stopped on May 13 2016.
  - Management Decision
  - 99.9% of the OpenAM, OpenIDM and OpenDJ changes by ForgeRock
  - Last tested release: 3.0.0
- Development continued
  - OpenDJ 3.5.0
  - ForgeRock Directory Services 5.0, 5.5, 6.0, 6.5
  - New Directory Proxy feature
  - 21 persons



Directory  
Services

# Monitoring With Prometheus



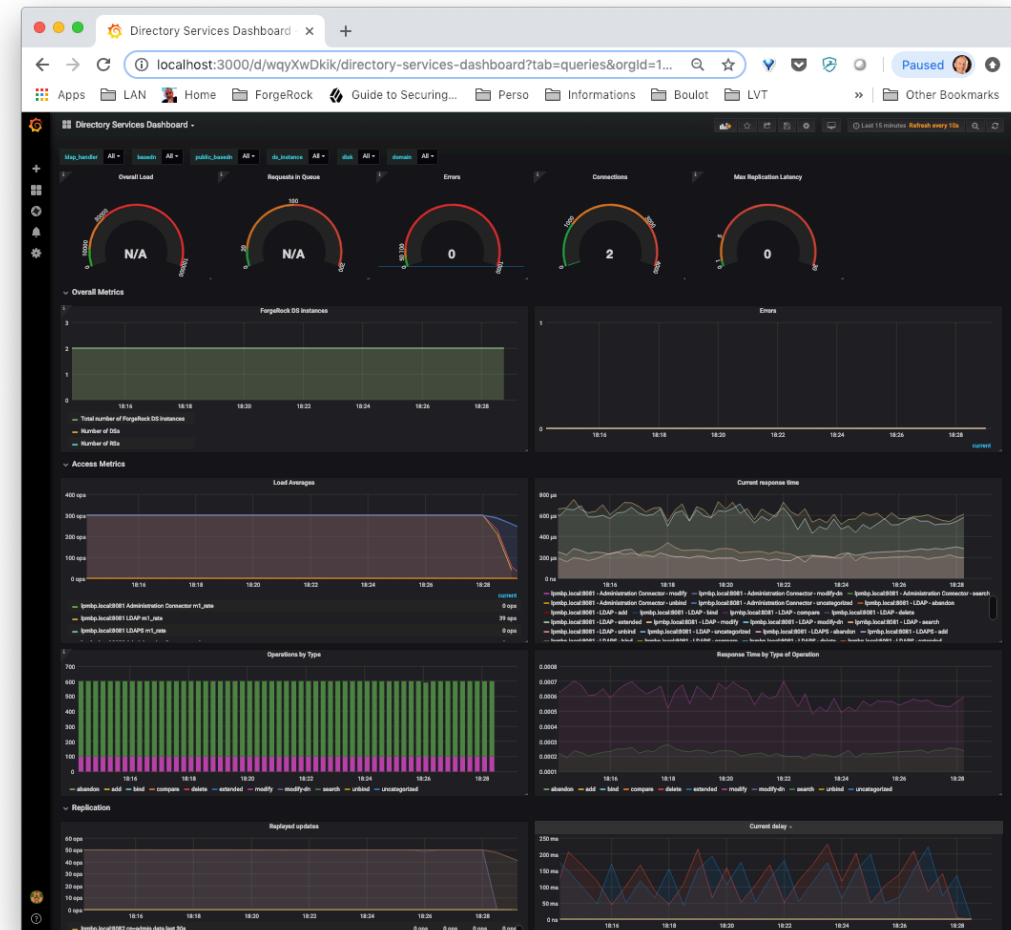
Directory  
Services

- Many options for Monitoring:

- LDAP
- JMX
- SNMP
- HTTP
- Now Prometheus & Graphite

- Prometheus

- De facto standard on K8S
- Easy setup
- Integrated with Grafana



# LDAP Relax Rules Control

- Required when doing bulk load and synchronization
  - Preserving create and modify timestamps and names
- Implemented per internet-draft
- Thinking of extending its use:
  - Need to sync read-only password policy state attributes
- Any other use?



Directory  
Services

# Password Hash & Bind

- Default was Salted SHA512
- Database encrypted
- PBKDF2, Bcrypt, Scrypt are expensive
- Implementing SCRAM. RFC 5802, RFC 7677
  - PBKDF2 based hashing
  - Hashed passwords usable for both Simple Bind and SASL SCRAM
  - But requires resetting all user passwords
- Implementing a SSHA512+SCRAM-SHA-256 SASL mechanism
- Need a way to know what SASL mechanism to call for a given user



Directory  
Services



- Very active development
- Becoming Cloud Native
- Focus on Reliability, Scalability, Efficiency
- ForgeRock continues to invest in Directory Services

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Author	2016-10	2016-11	2016-12	2017-01	2017-02	2017-03	2017-04	2017-05
Fabio Pistolesi								
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Modified Rows:	37868	42020	81609	48430	38772	90082	27427	406453
Author	2017-06	2017-07	2017-08	2017-09	2017-10	2017-11	2017-12	2018-01
Cyril Quinton								
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Modified Rows:	30723	41122	25545	39492	102513	46755	24855	23830
Author	2018-02	2018-03	2018-04	2018-05	2018-06	2018-07	2018-08	2018-09
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Modified Rows:	19287	26041	10704	23386	32217	16720	57301	53426
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