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
Monitoring With Prometheus

• 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?
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
Conclusion

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