



Transforming the Way the World Runs Applications

Paremus Webinar

Distributing and Managing Spring Dynamic Modules
for OSGi™ Services with Infiniflow



Agenda

- Paremus Introductions
- Webinar Objectives
- What is Infiniflow
- Infiniflow & Spring
- Demonstration
- Conclusion
- Q&A



Paremus Introductions

Robert Dunne – Principal Developer

Mike Francis – Sales & Marketing Director



Webinar Objectives

- Demonstrate how simple it is to distribute, scale and add resilience to applications developed using Spring Dynamic Modules (DM)
- Show a demo of a Spring DM application distributed across Infiniflow Service Fabric
- Provide details of how you can try this yourself



Infiniflow overview

- Runtime for distributed applications
 - distributed provisioning system
 - deploy, maintain, remove
 - emphasis on scaling and resilience
- OSGi
 - unit of deployment
 - local programming model
- SCA
 - distributed application topology
 - abstracts service implementation technology
 - abstracts service wire-up technology



Plain old Spring

- POJO configuration framework
 - inversion of control
 - instantiate, configure, assemble, decorate
- Many Valuable integrations
 - JDBC, JMS, Hibernate ...
- Popular programming model
 - simple
 - very widely used



Spring DM for OSGi

- Improved modularity
- Multiple library versions
 - simultaneous, no conflicts
- Dynamic service discovery
 - service sharing between application contexts
 - OSGi registry
- OSGi Configuration Admin service support
- Full lifecycle
 - install, update, uninstall



Spring DM with Infiniflow

- **Distributed Spring DM**
 - distributed provisioning for Spring DM bundles
 - deploy, maintain, remove
 - dependency management
- **SCA integration**
 - SCA based global application structure
 - service discovery and interaction via SCA bindings, e.g. using RMI
 - simplified configuration - use SCA sourced properties in Spring DM descriptors



Demo Overview

- Local Chain example
 - Infiniflow metadata
 - Spring DM bundles as SCA components
 - configuring Spring DM bundles
 - on demand installation of Spring DM runtime
- Distributed Chain example
 - distributed wire-up of Spring DM services and references
 - managed provisioning of Spring DM based distributed systems



Demonstration

This section of the webinar shows the live Spring DM & Infiniflow demonstration.

This is available if you watch the webinar recording available from the Webinar Archives on the www.paremus.com website.



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Conclusion

Infiniflow makes it easy to:

- Distribute
- Scale and
- Add resilience

to Spring DM applications



Infiniflow & Newton

- Commercial product

- RTU License model with included support



- Open Source Project

- The foundations of Infiniflow



- Infiniflow builds on top of Newton adding:

- Management GUI
- Security
- Enhanced Scalability
- Out of the box Runtime Services



Try it for yourself



infiniflow

www.paremus.com



Newton.

<http://newton.codecauldron.org>

Q&A

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