Java EE Monolith to Cloud-Ready Architecture: Lessons from the Drools/jBPM Ecosystem

Eder Ignatowicz
Sr. Software Engineer @ Red Hat

Alex Porcelli
Principal Software Engineer @ Red Hat

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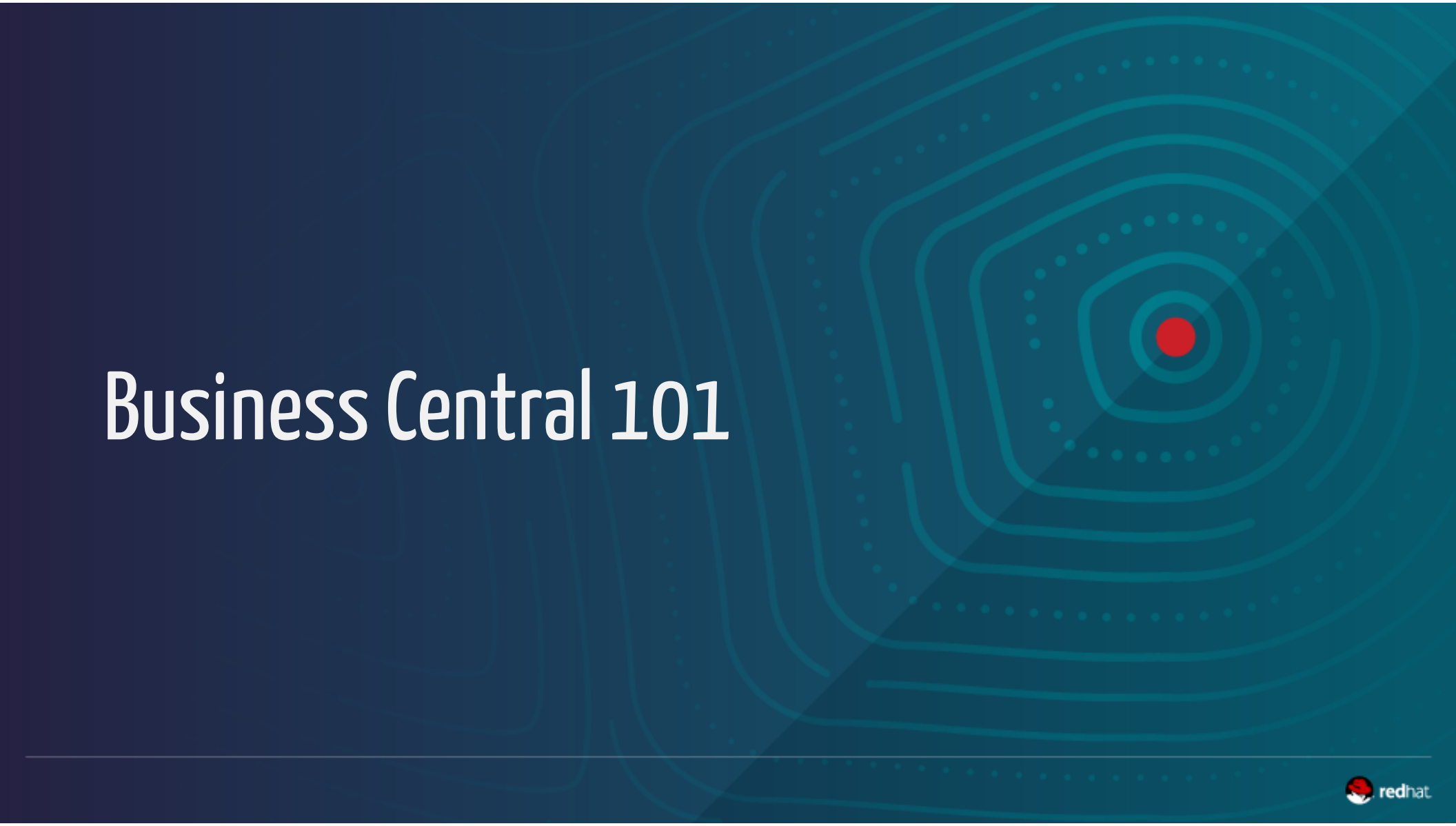
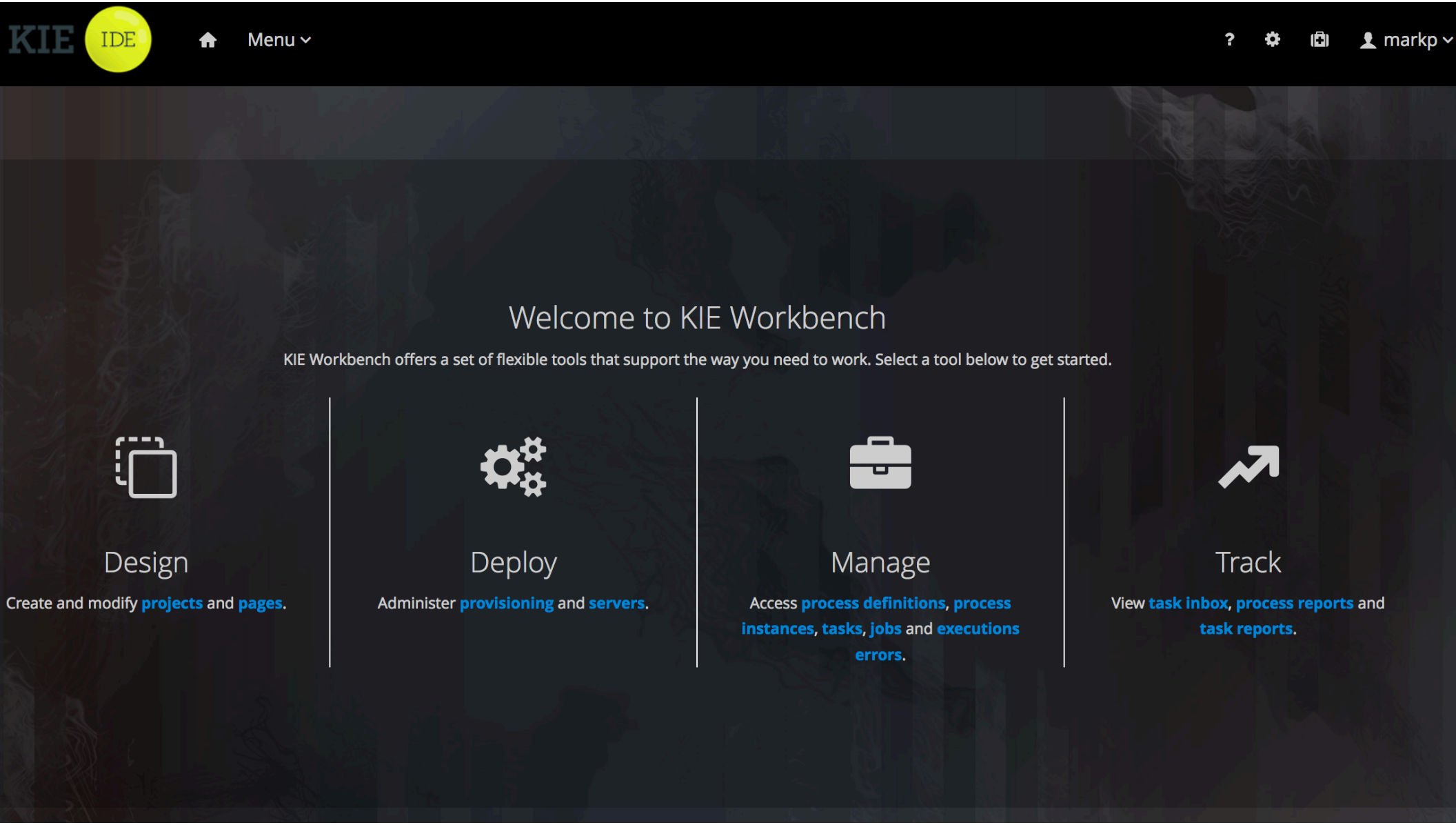
"The big question is whether you are going to be able to say a hearty yes to your adventure"

Joseph Campbell

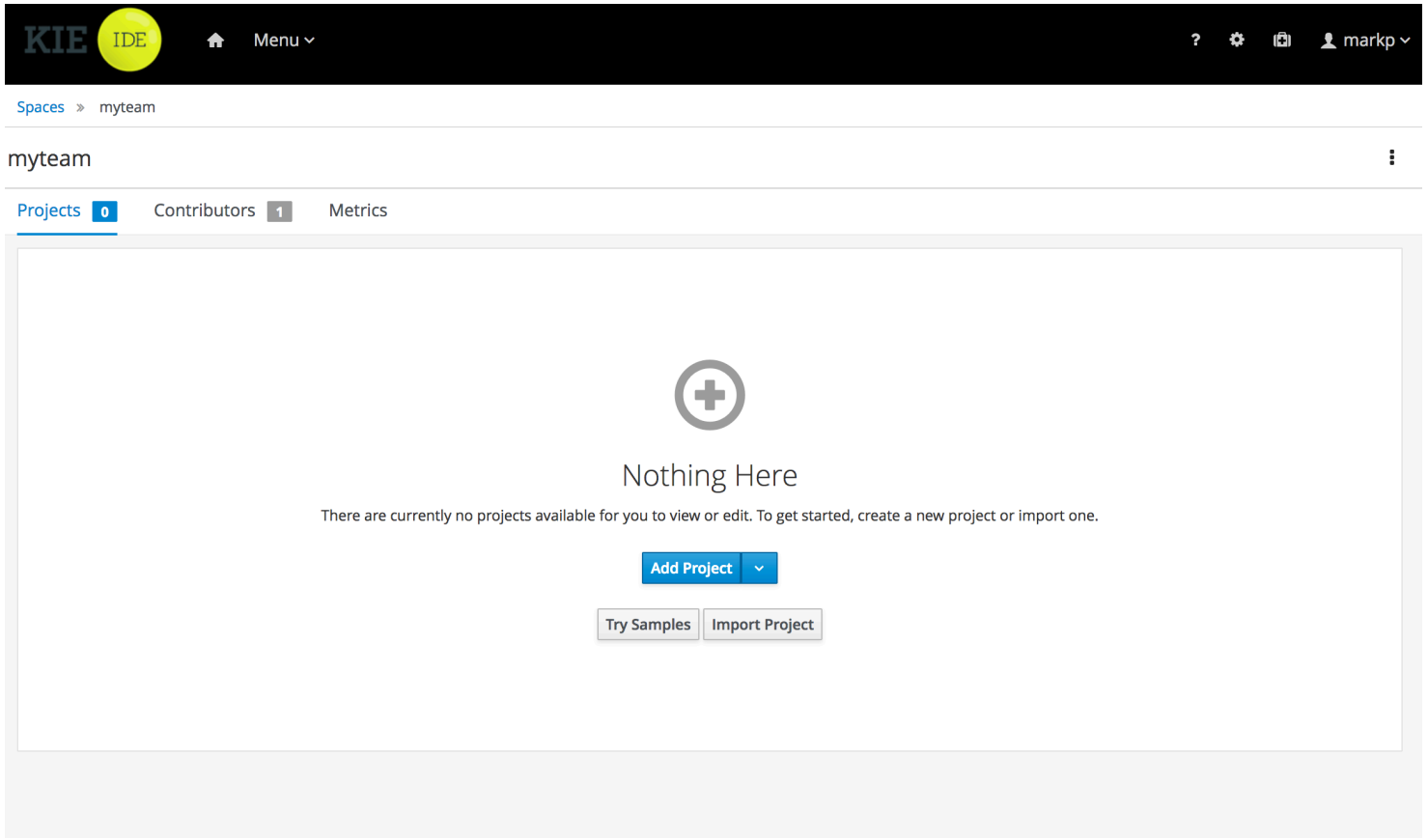
RETURNING THE BOON
CALL TO ADVENTURE
ADVENTURE
CROSSING THE THRESHOLD
THE ULTIMATE BOON
THE HERO'S JOURNEY
THE ROAD OF TRIALS
METAMORPHOSIS
ABYSS

Business Central 101

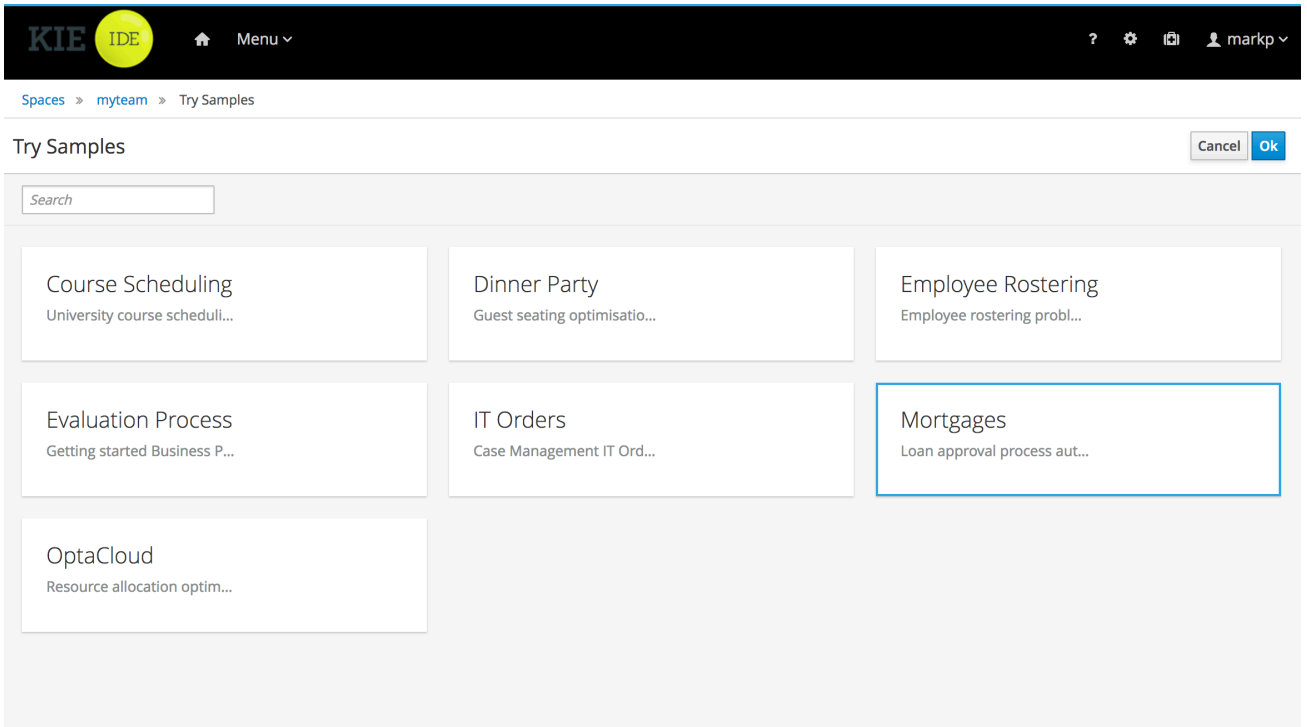



KIE
IDE
Menu
markp
Welcome to KIE Workbench
KIE Workbench offers a set of flexible tools that support the way you need to work. Select a tool below to get started.
Design
Create and modify projects and pages.
Deploy
Administer provisioning and servers.
Manage
Access process definitions, process instances, tasks, jobs and executions errors.
Track
View task inbox, process reports and task reports.

Business Central 101



Business Central 101



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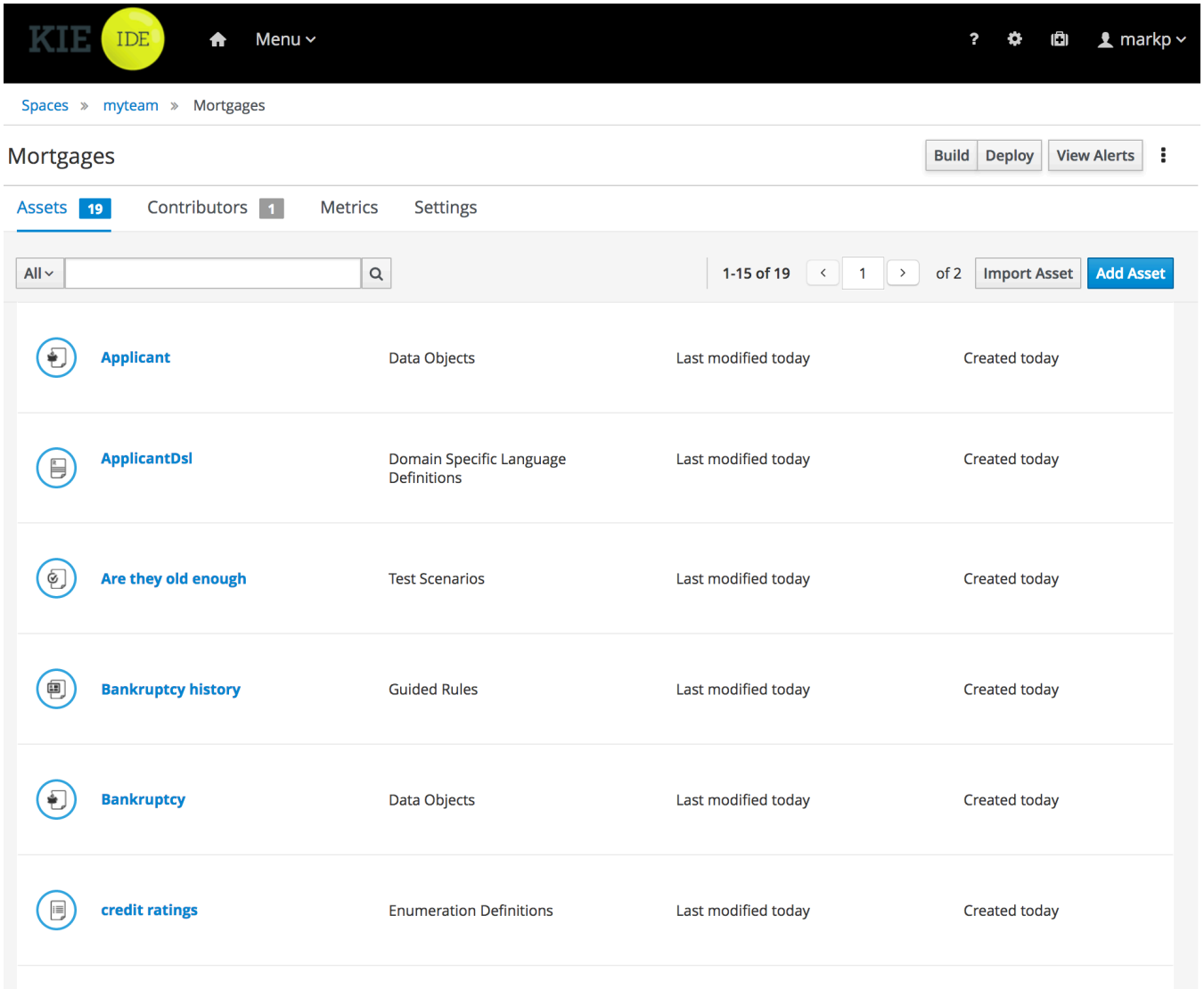

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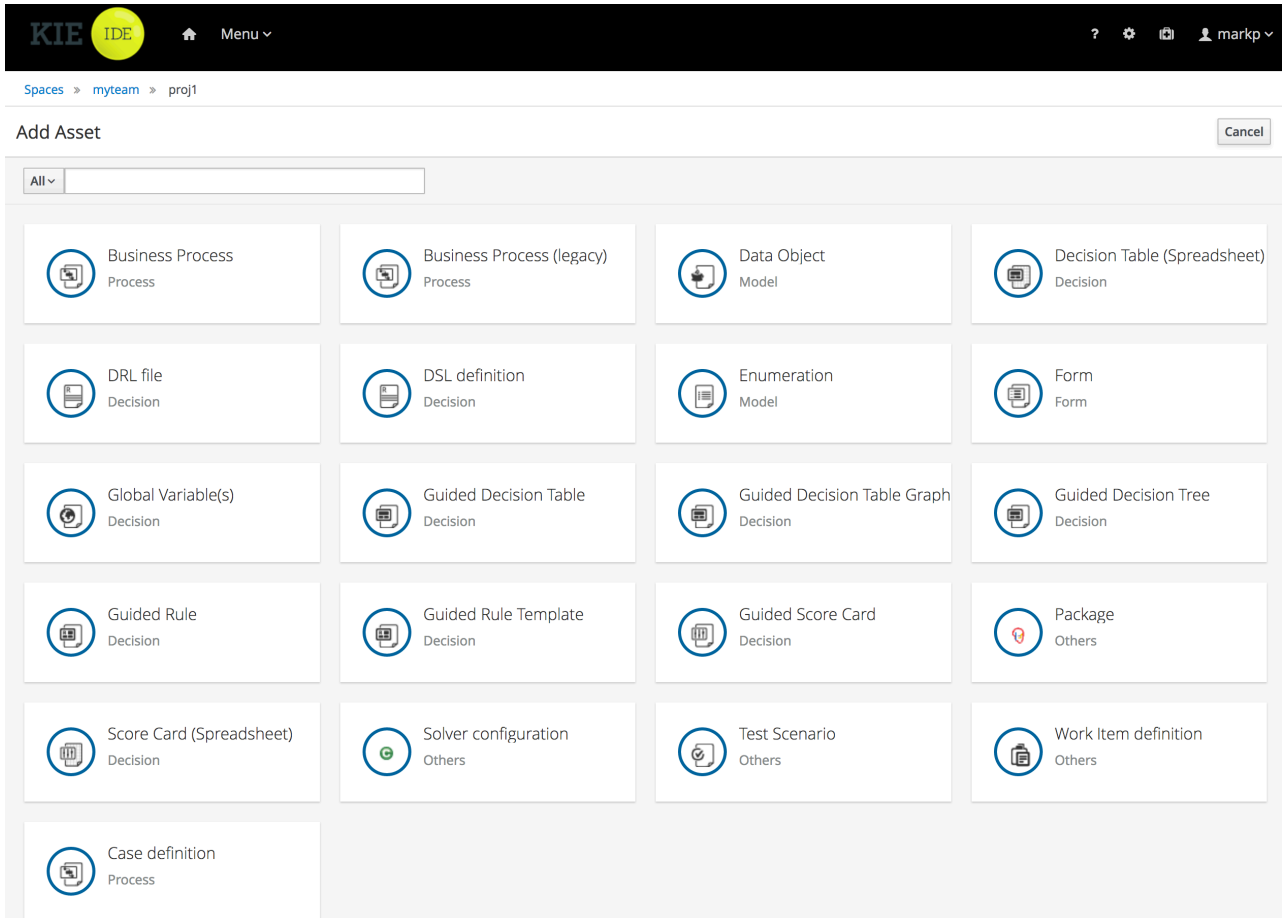

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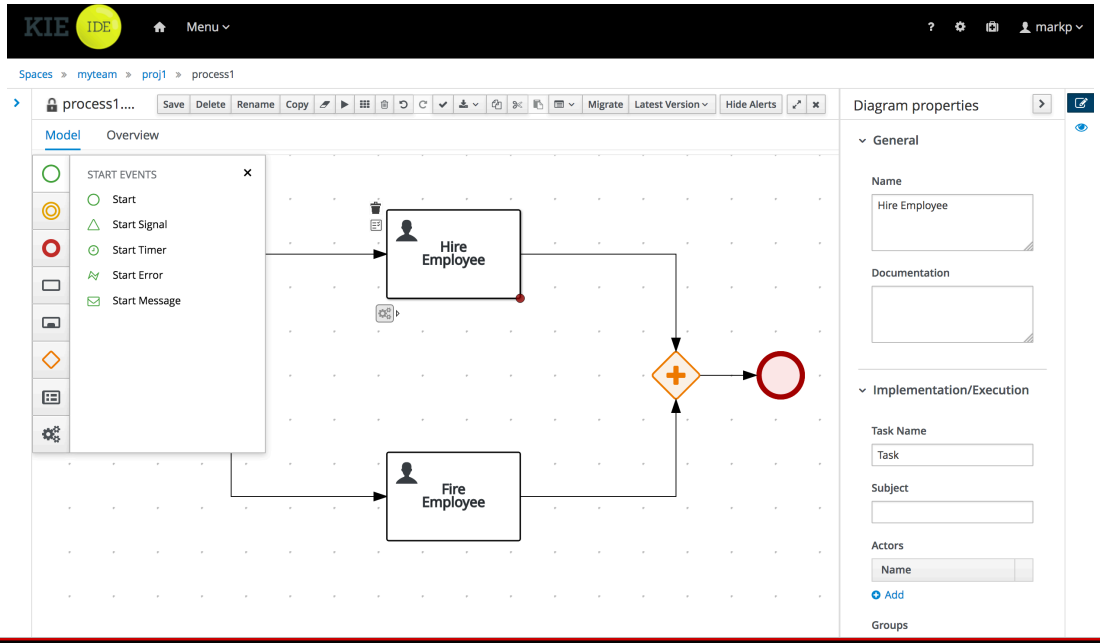

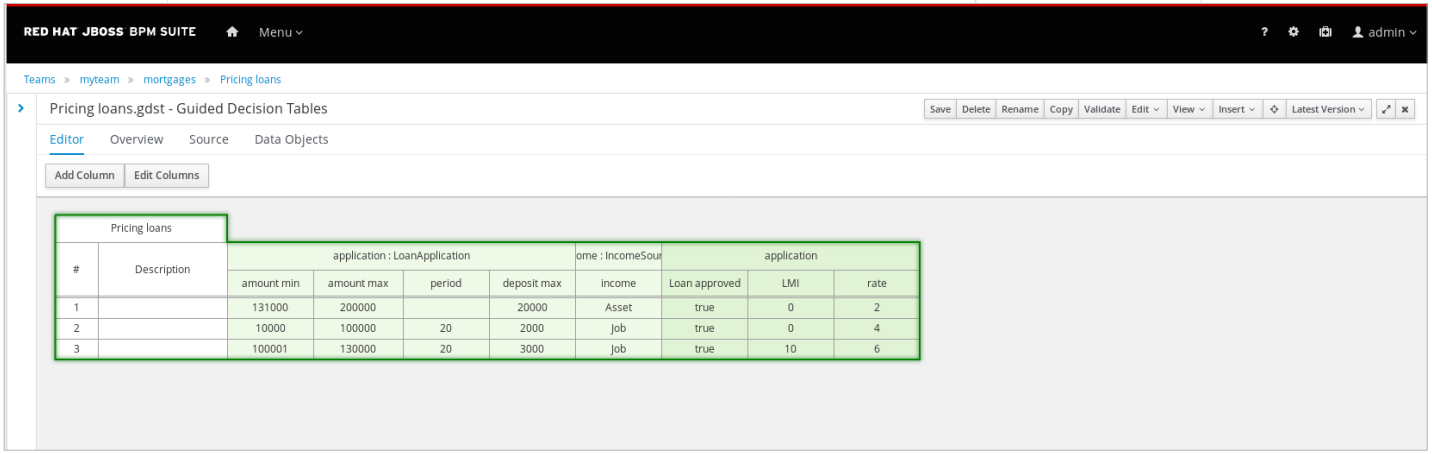

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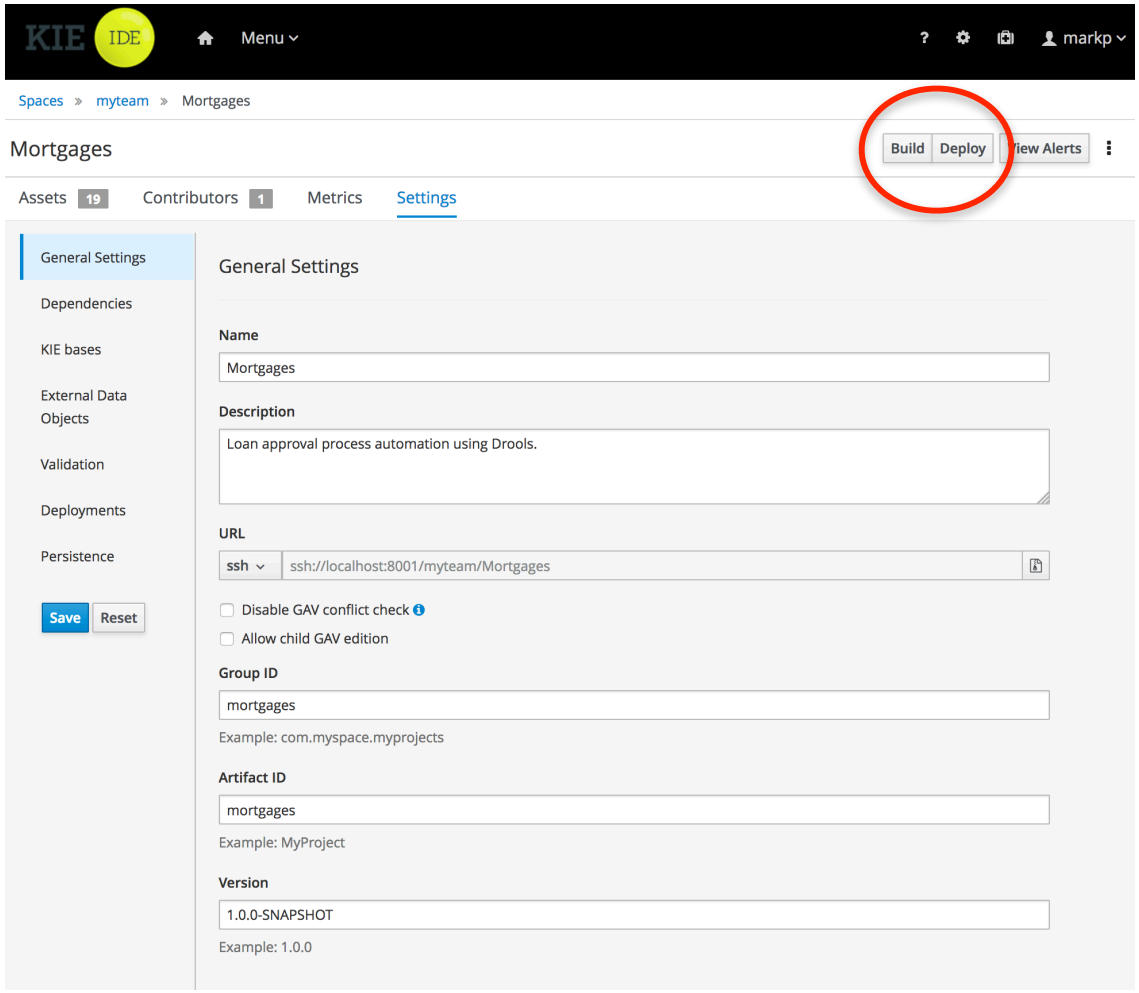

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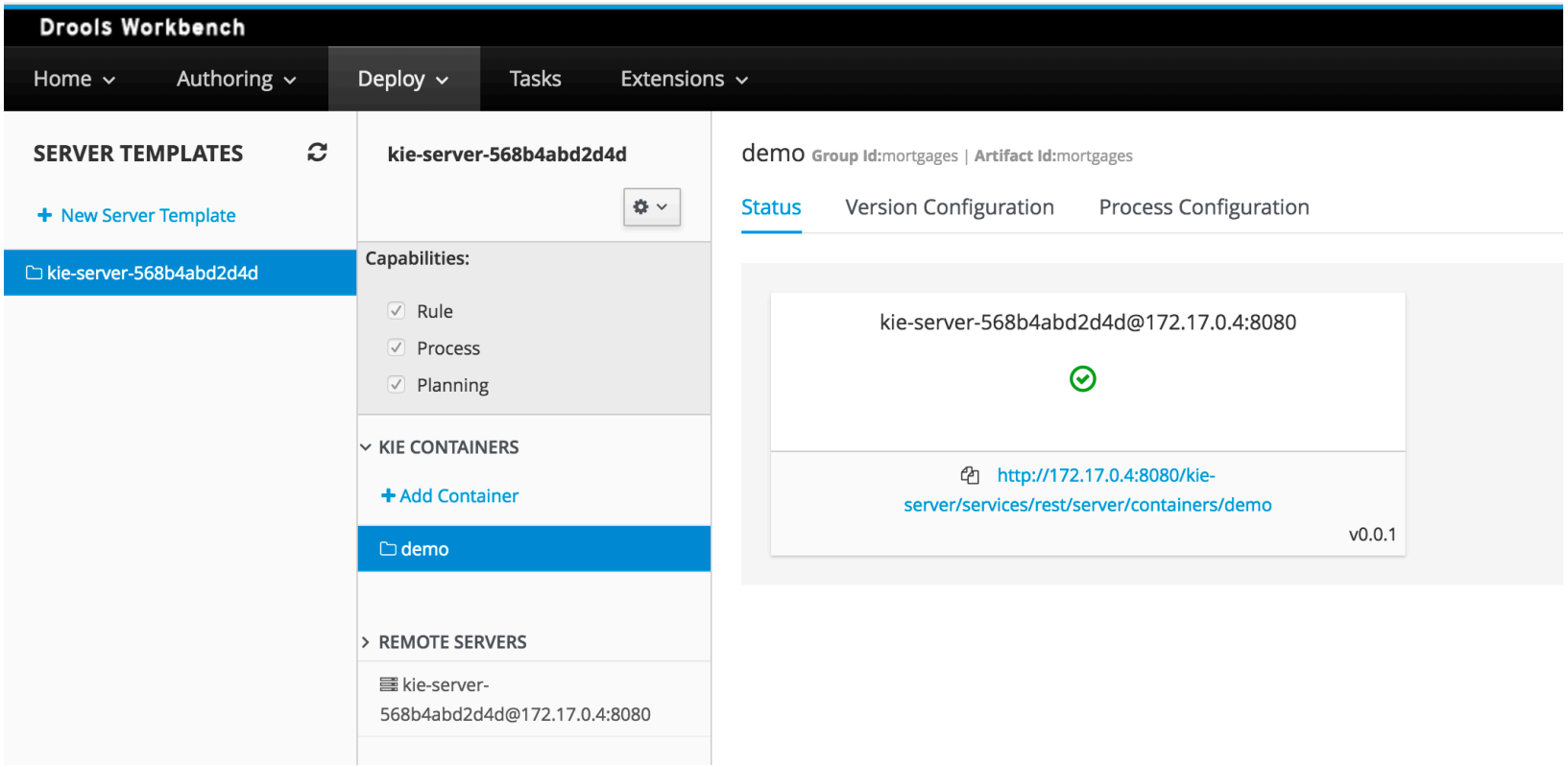

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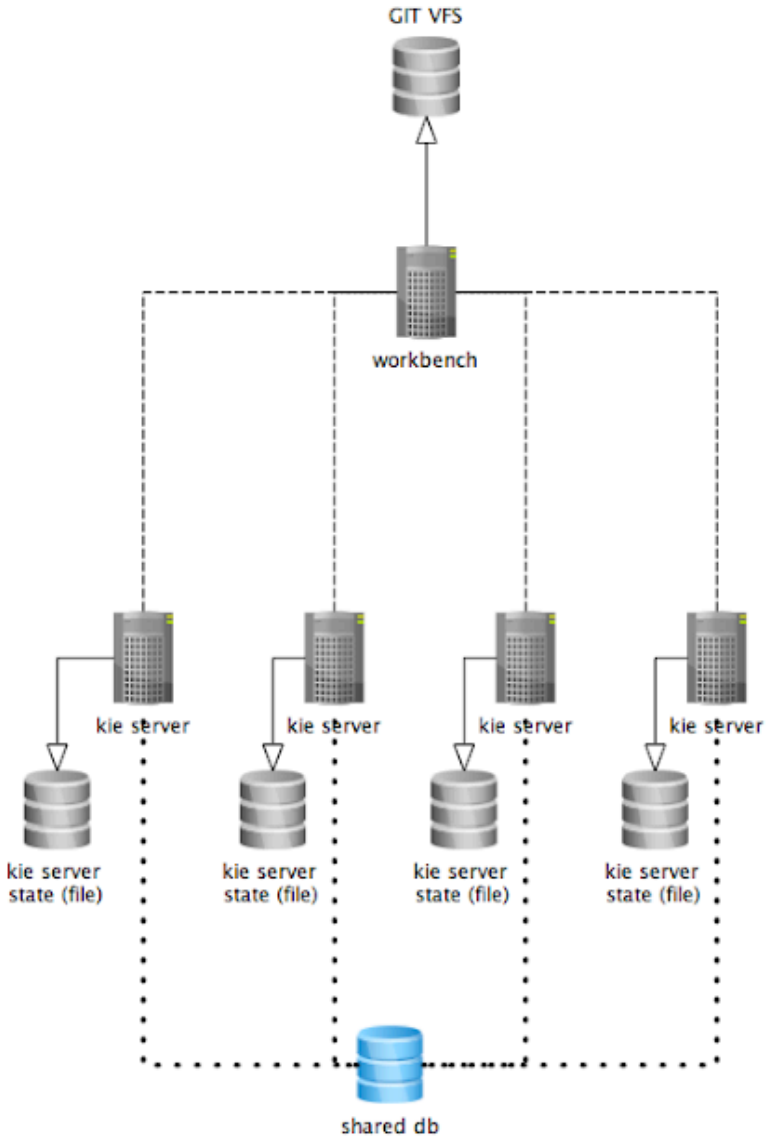
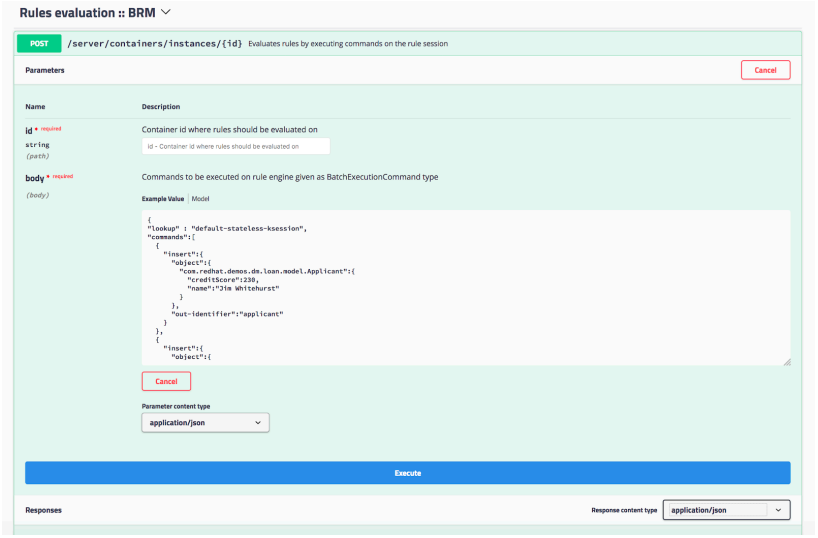
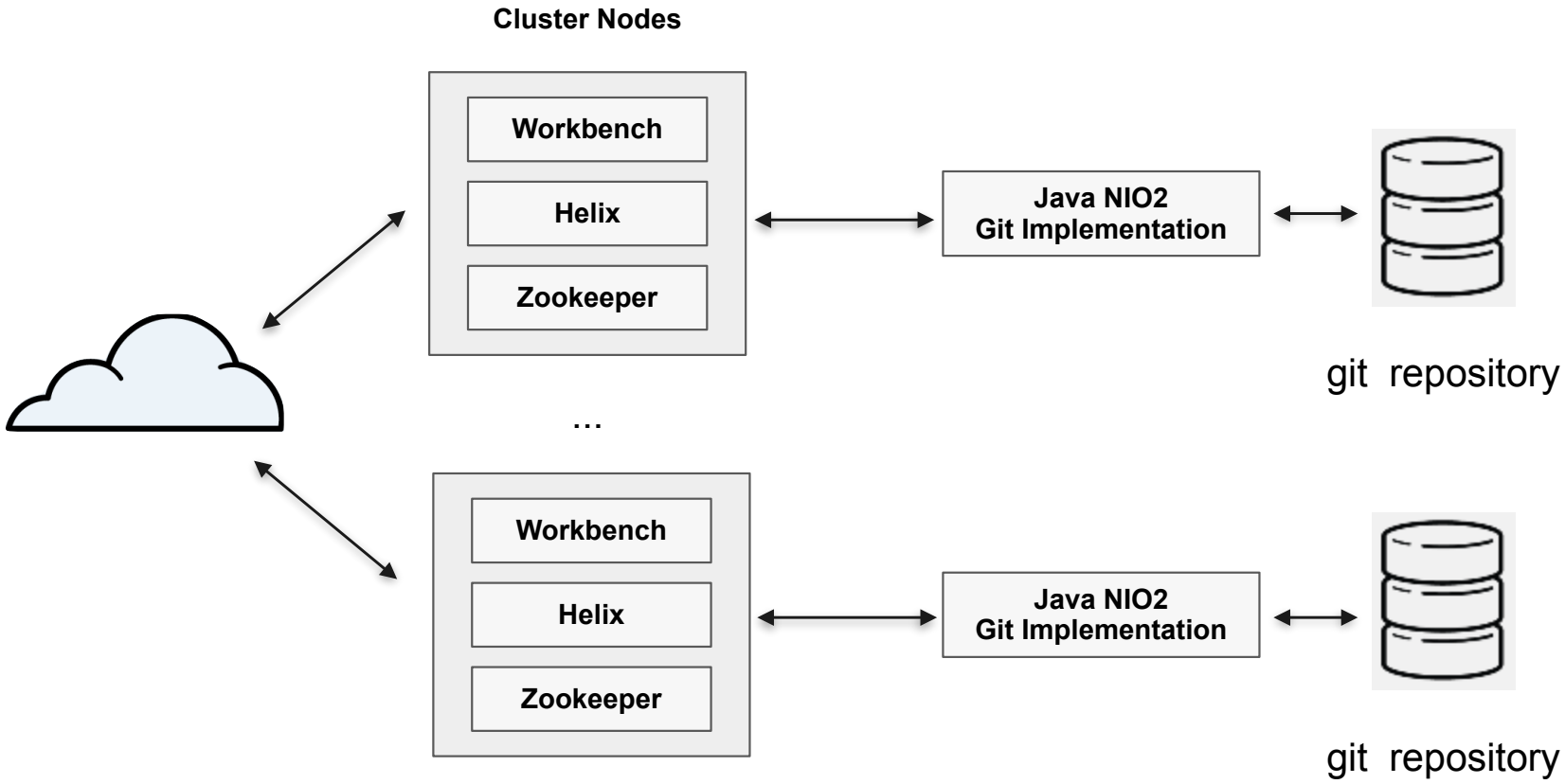




Clustering?

Business Central 101

Level 1 - Cloud Viable
Level 2 - Cloud Native
Level 3 - Cloud Mature
Level 4 - Hosted



Java™

JAKARTA EE

JavaEE ‘Monolith' To Cloud Ready Architecture

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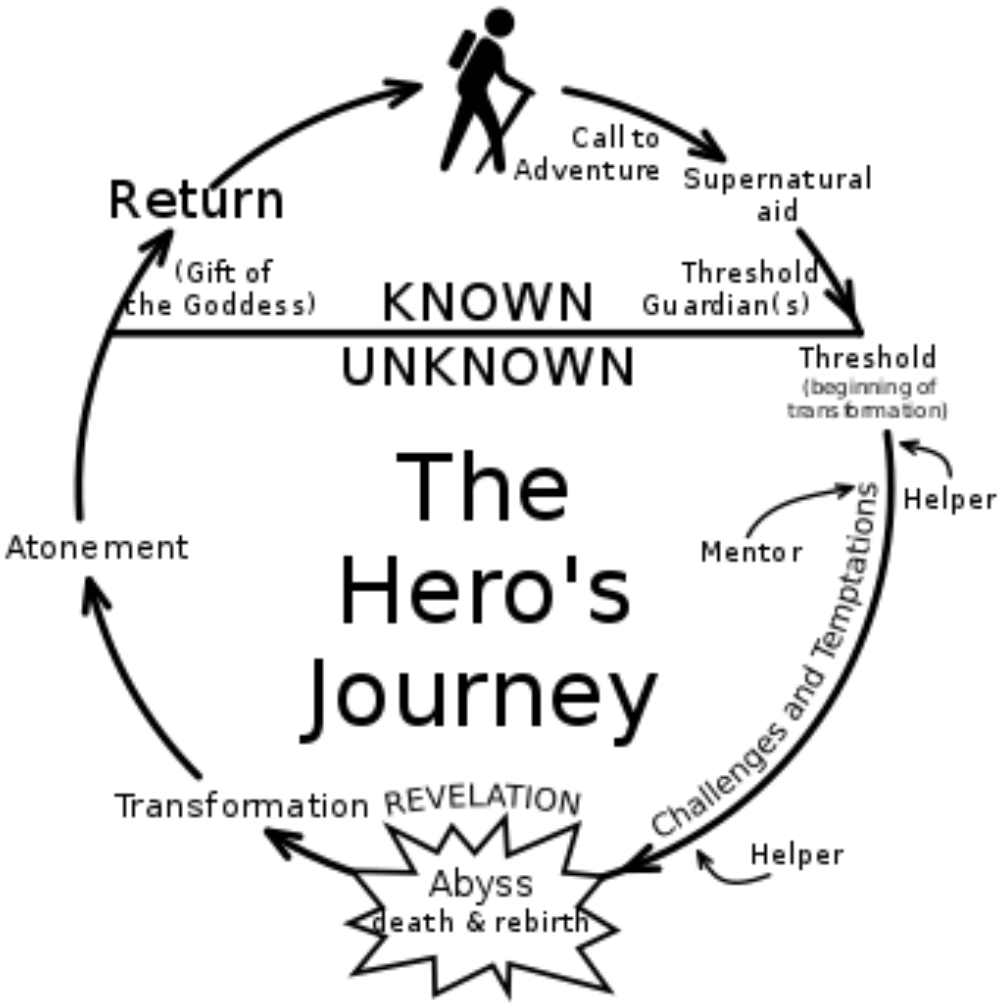
JavaEE -> Cloud Ready



Cloud Maturity Levels

Level 1 - Cloud Viable

Works in the cloud, but can be improved.

Level 2 - Cloud Native

Optimised for Containers, will scale for size and demand with manual setup.

Level 3 - Cloud Mature

Elastic auto-scaling

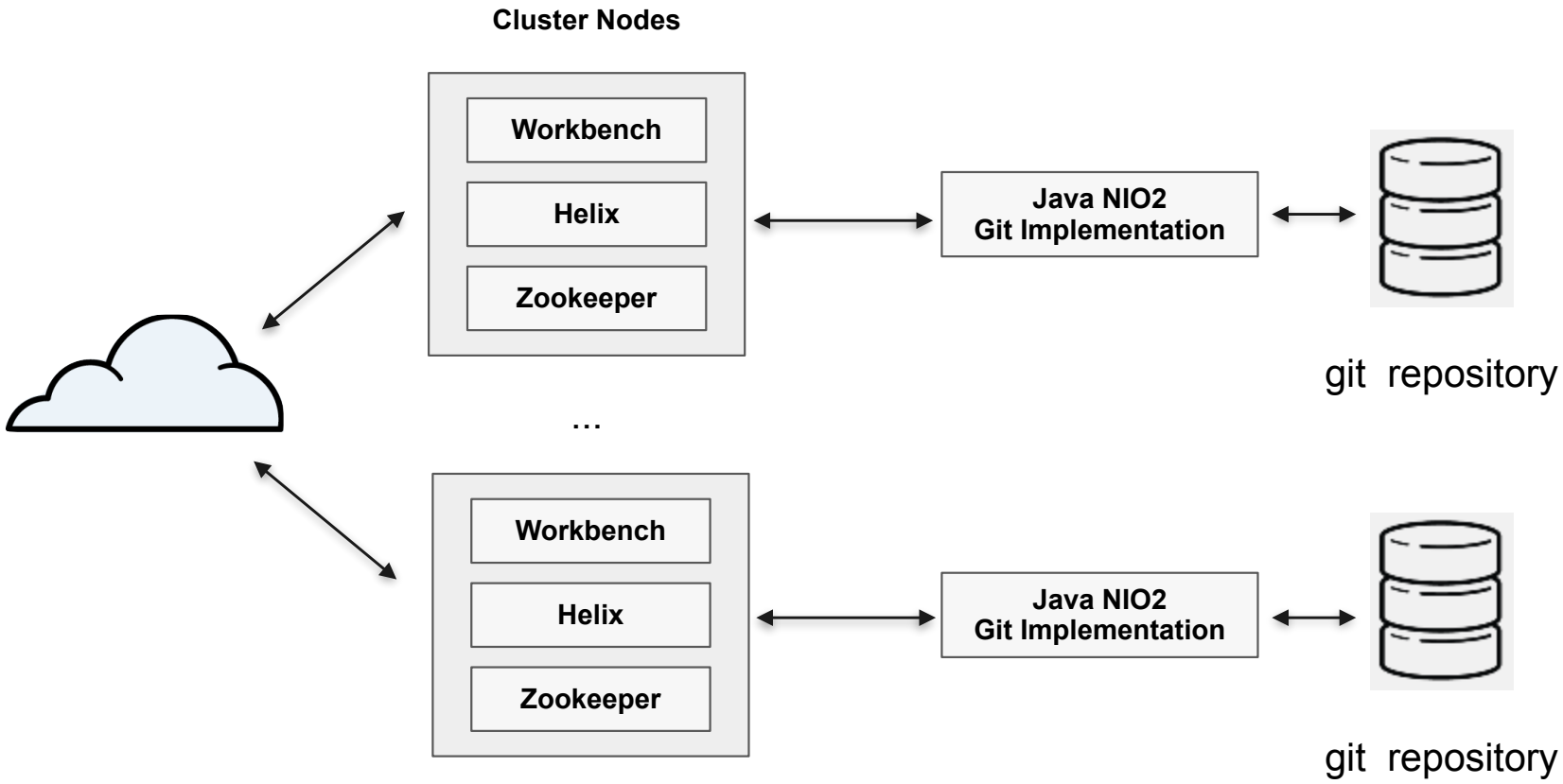
Matured and Hardened

Level 4 - Hosted

Hosted (fully managed)

Level 0

Level 1 - Cloud Viable
Level 2 - Cloud Native
Level 3 - Cloud Mature
Level 4 - Hosted



Level 1: Cloud Viable

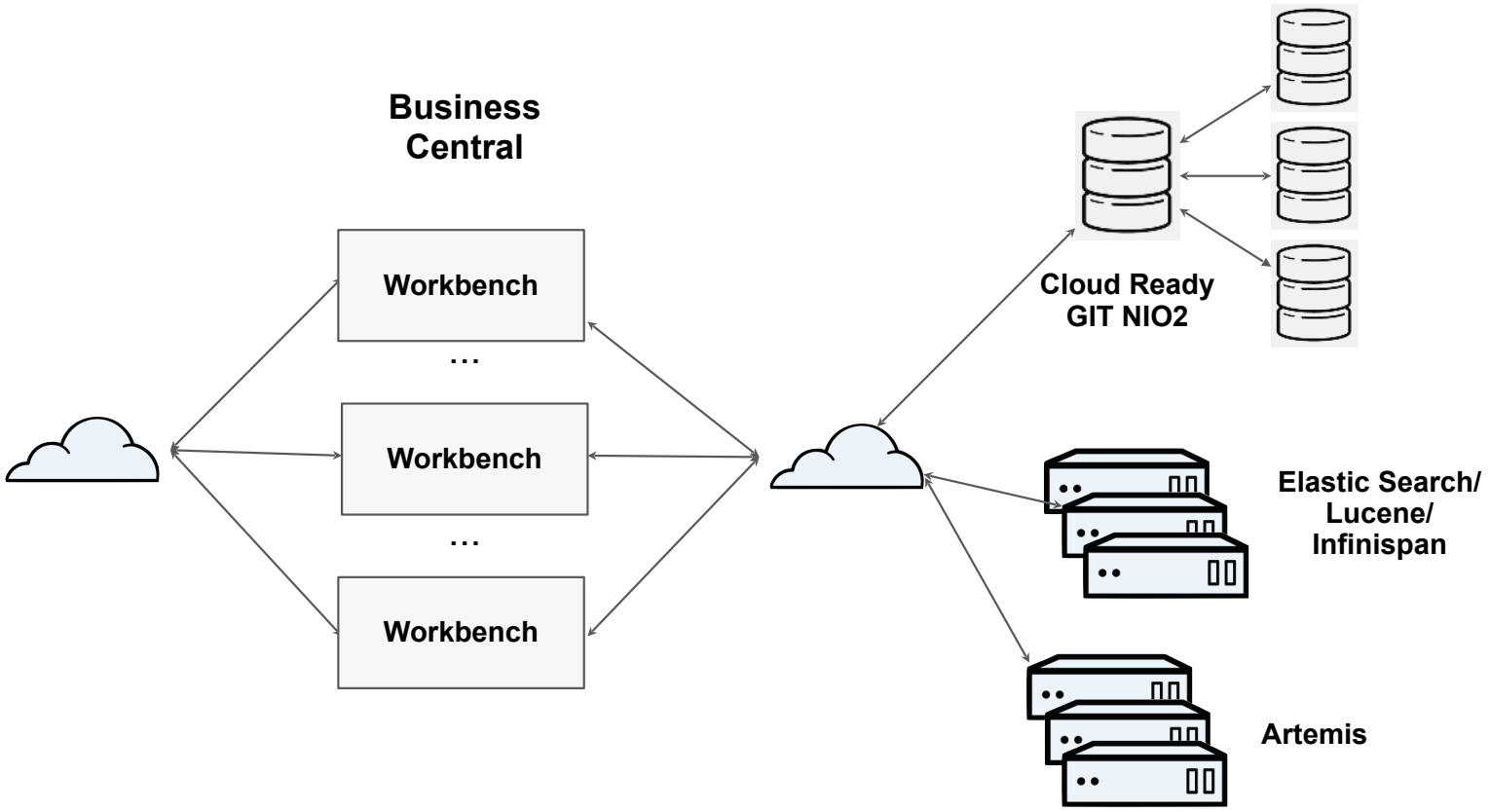
Level 1: Cloud Viable

Level 1 - Cloud Viable

Works in the cloud, but can be improved.

TODO: CARACTERÍSTITICAS

Level 1: Cloud Viable



Virtual File System

Virtual File System

Indexing

Indexing

Events and Messaging

Events and Messaging

Level 2: Cloud Mature

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Level 3: Cloud Mature

Level 2 - Cloud Mature

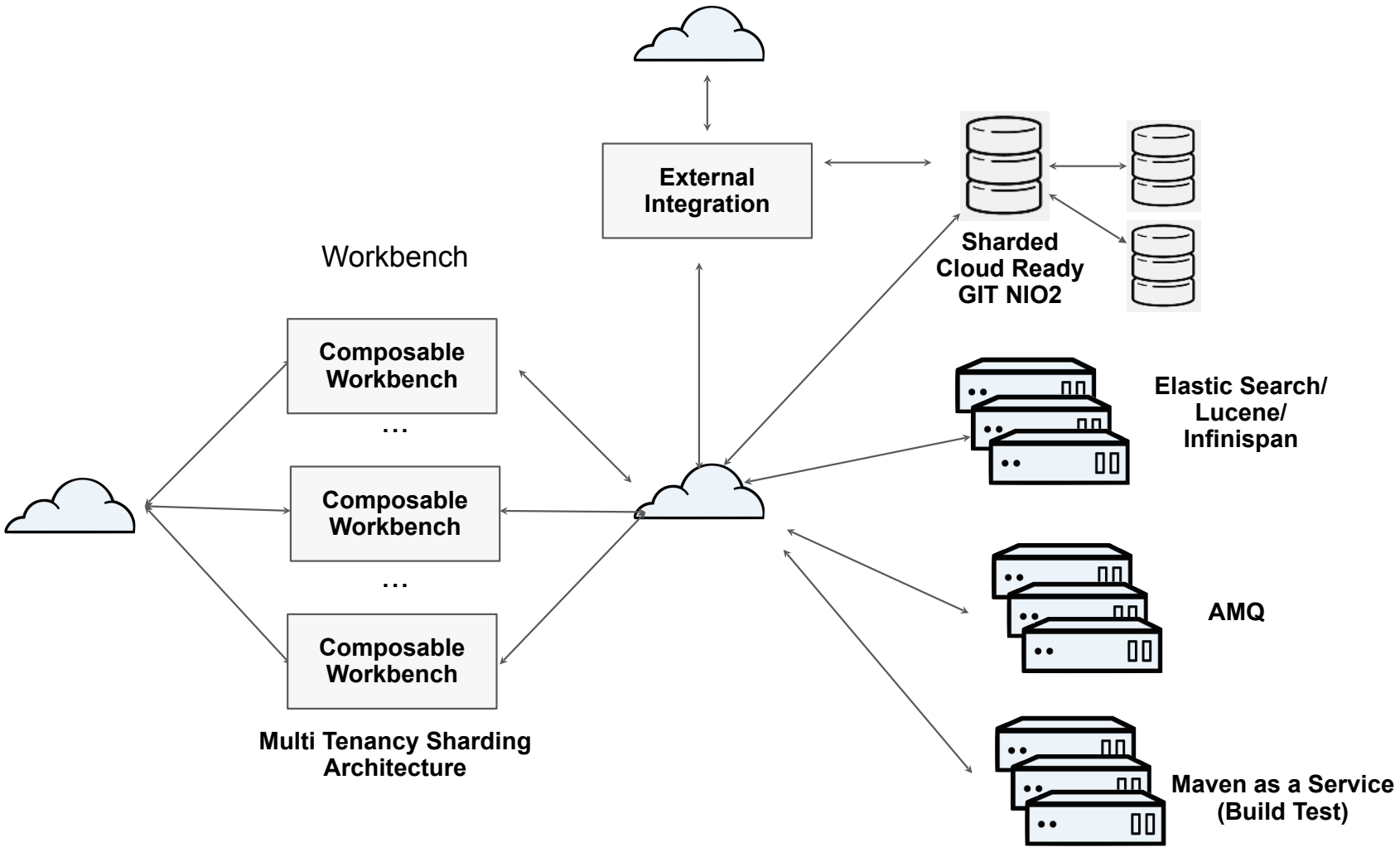
Optimised for Containers, will scale for size and demand with manual setup.

Elastic auto-scaling

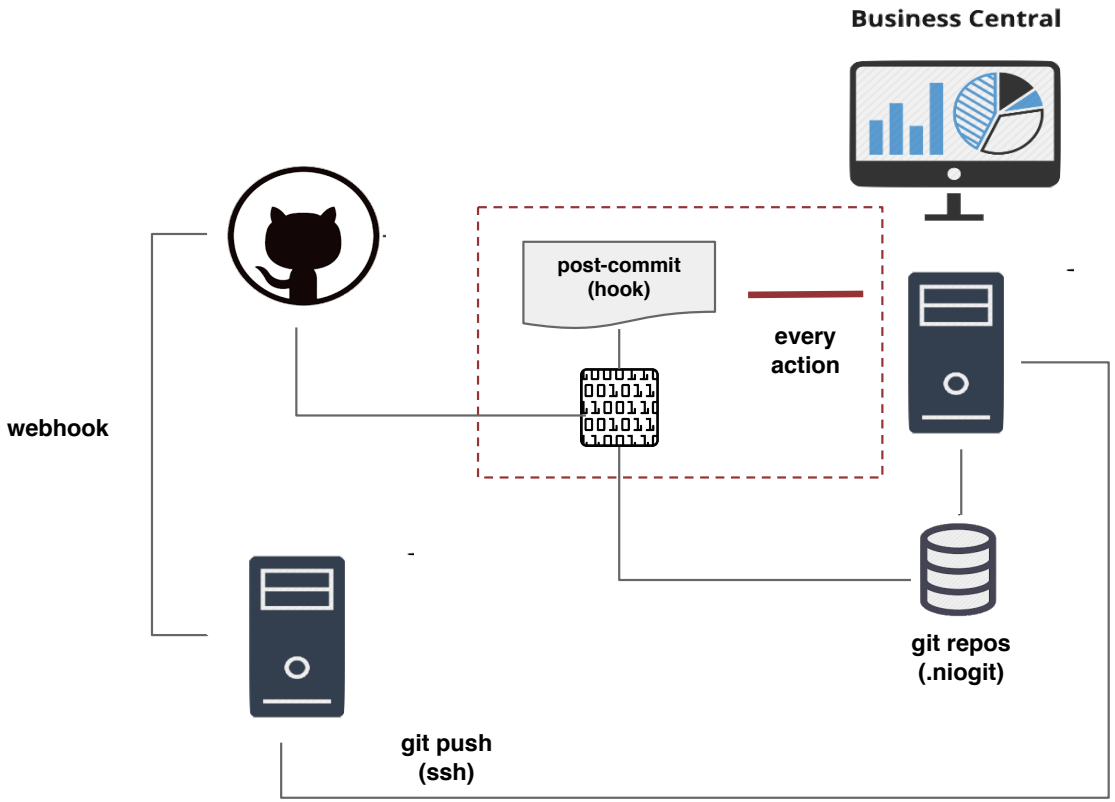
Matured and Hardened

TODO: CARACTERÍSTITICAS

Level 3: Cloud Mature



External Integration



Level 4: Hosted

Level 4: Hosted

Level 4 - Hosted

Fully managed

TODO: CARACTERÍSTITICAS

Level 4: Cloud Native

Thank you.

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