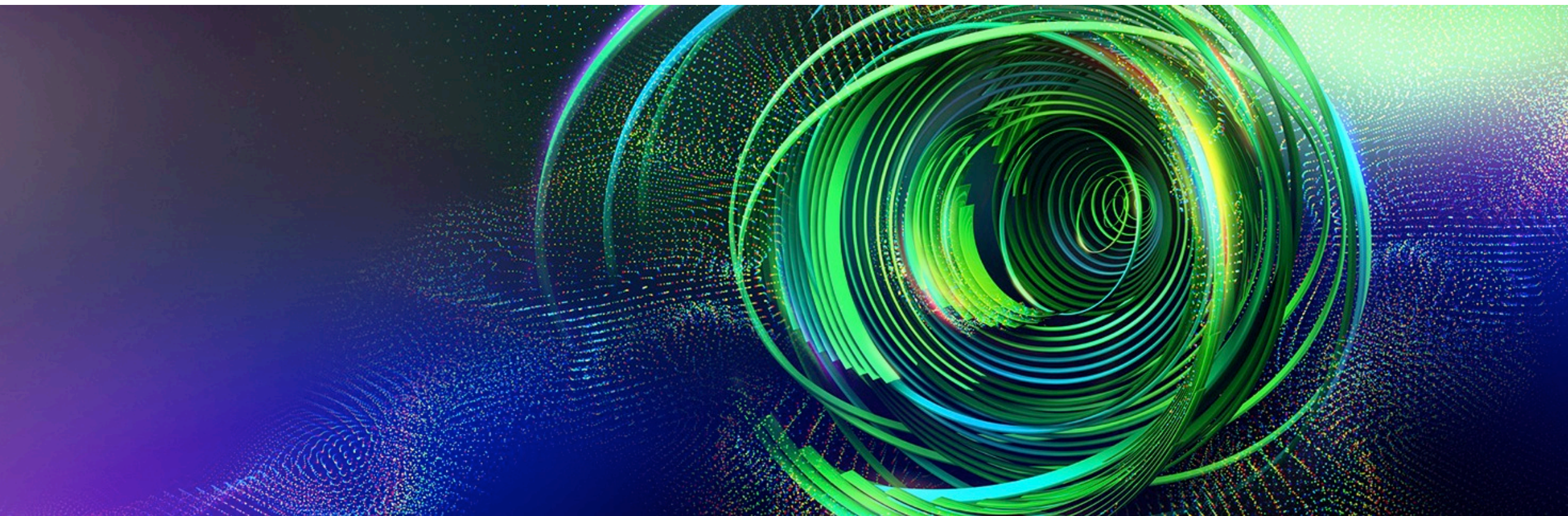


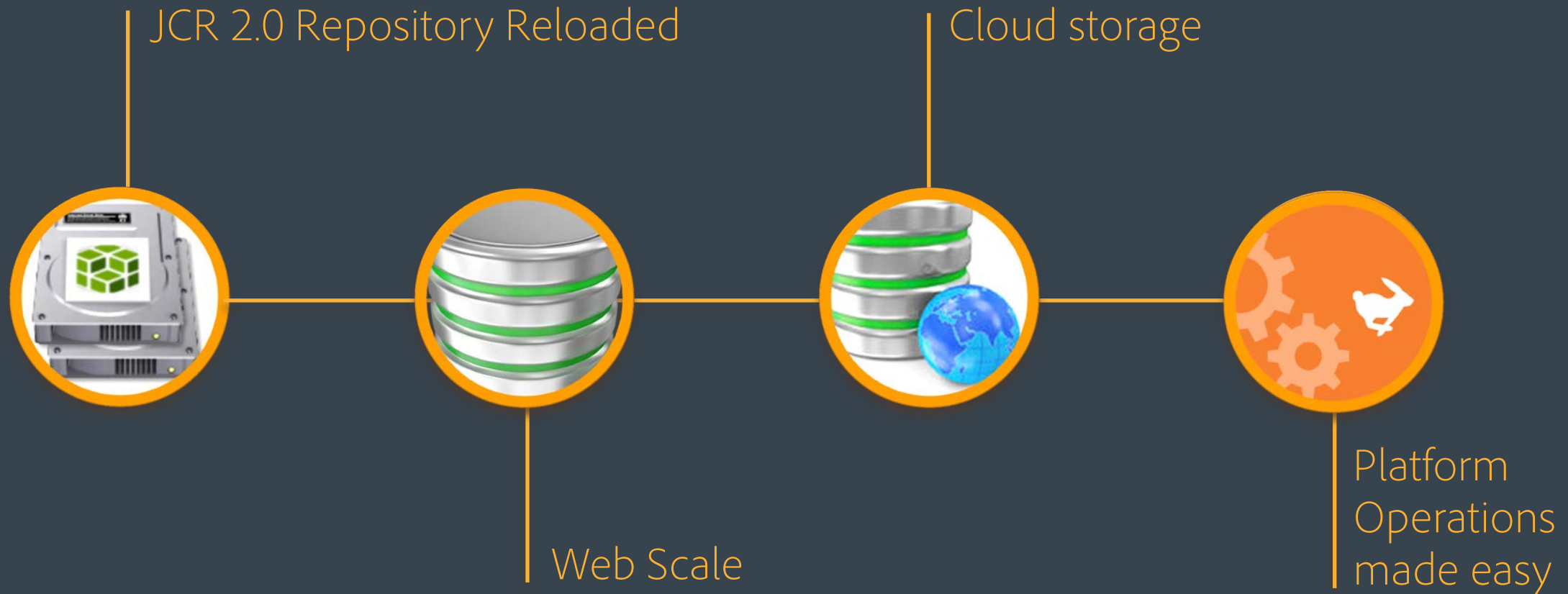


Adobe Experience Manager 6.0 Platform – What's New?

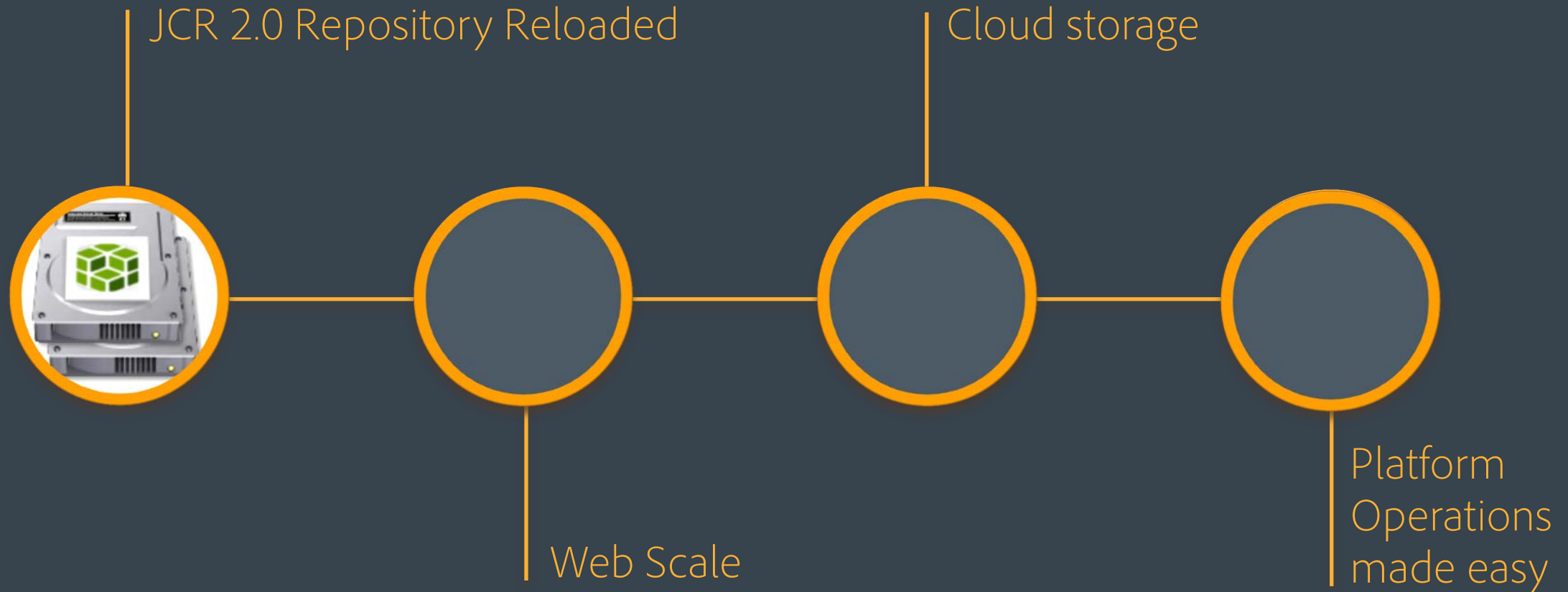
June, 2014 – Peter Klassen, Product Manager



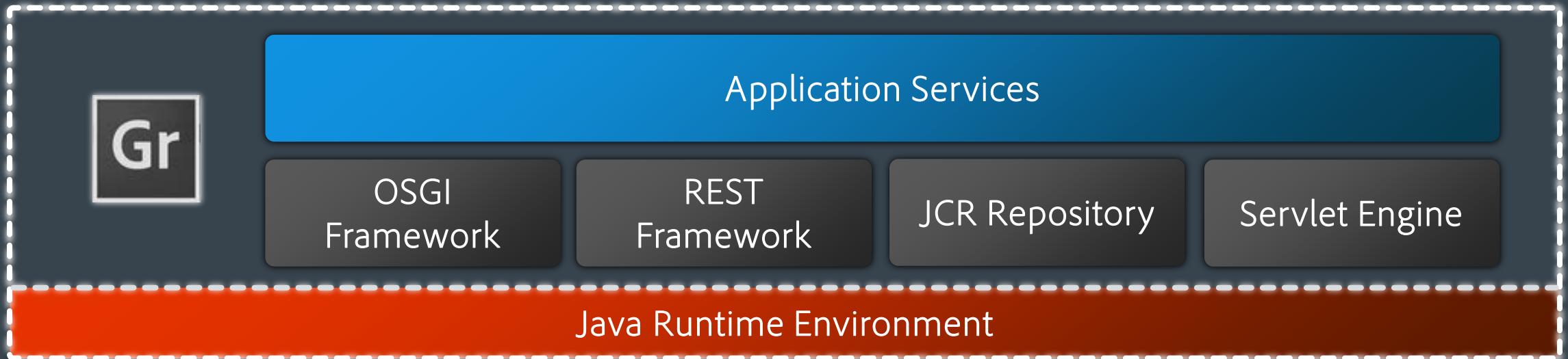
AEM 6.0 Platform: *Most important innovations*



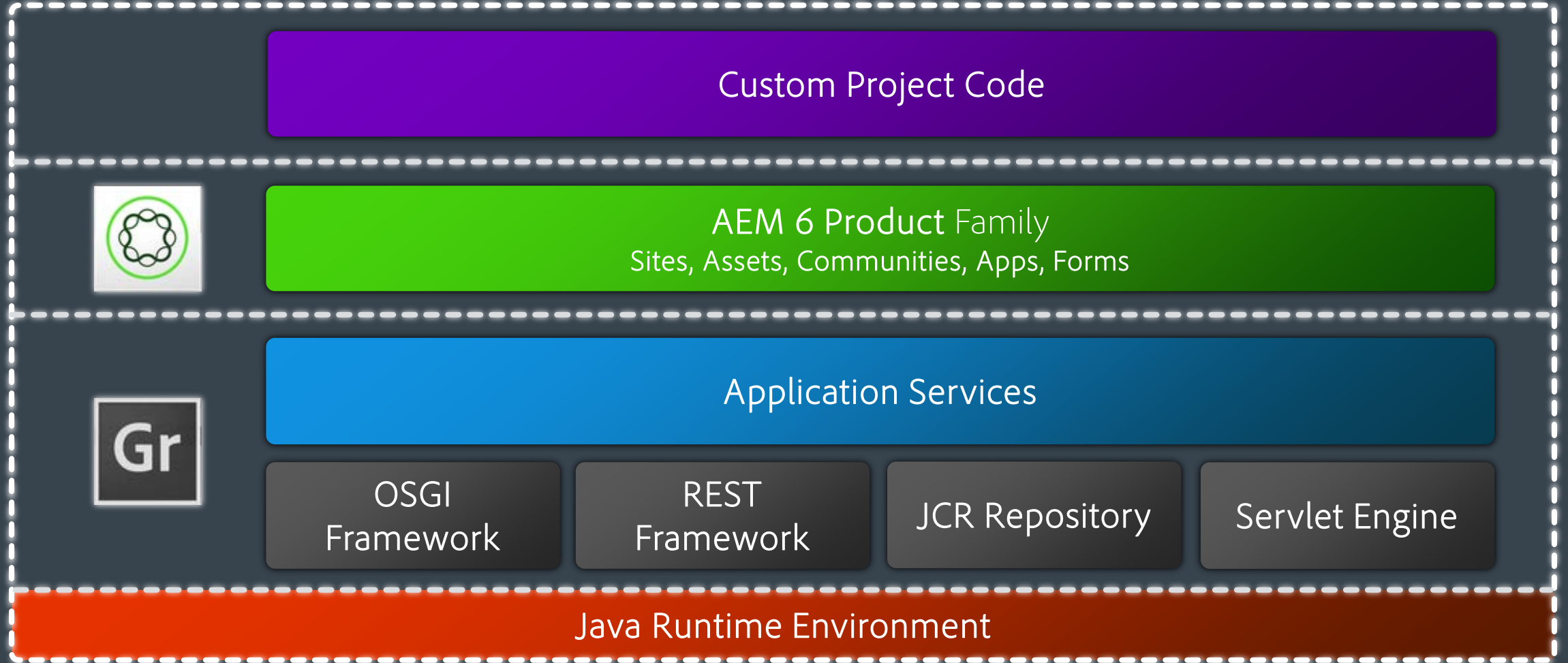
AEM 6.0 Platform: *Most important innovations*



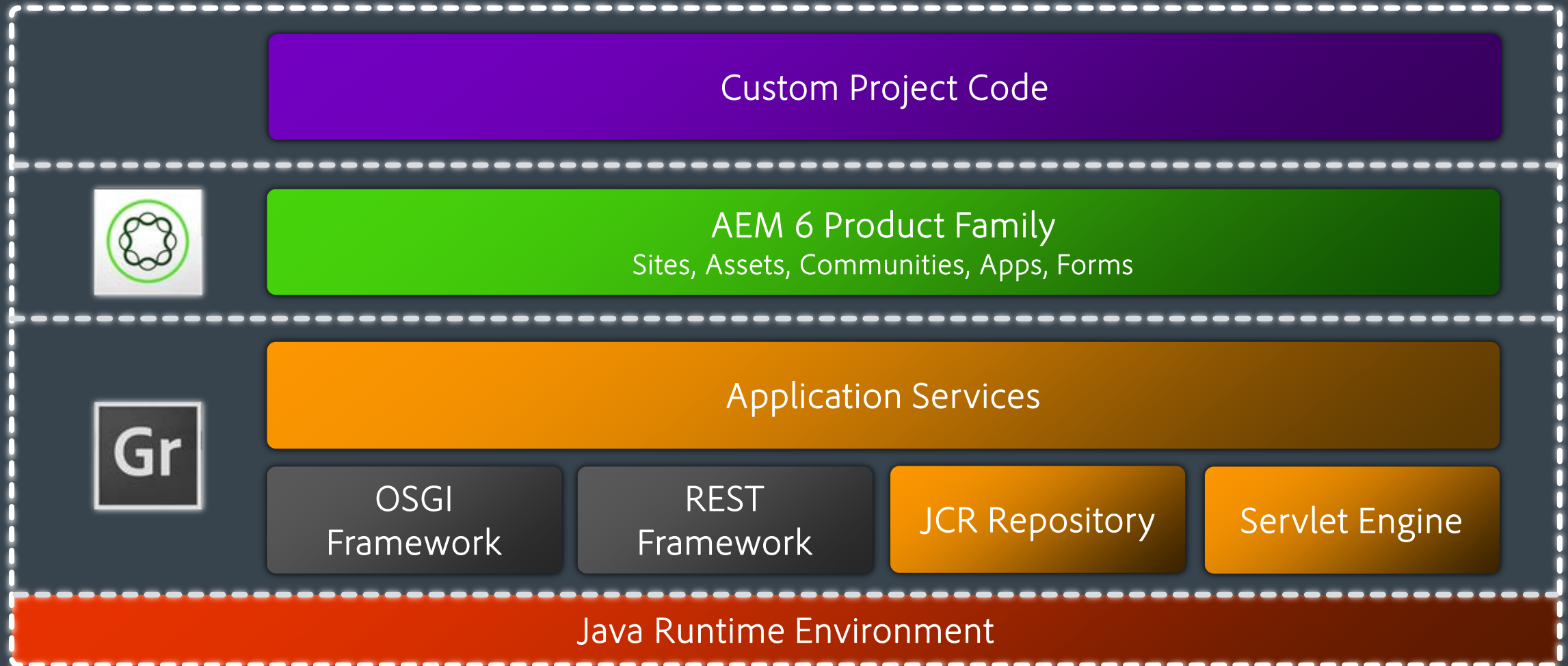
AEM Platform: A content-centric platform that provides an open, self-contained, standards-driven web stack to deliver relevant digital experiences in cloud & on-prem environments.



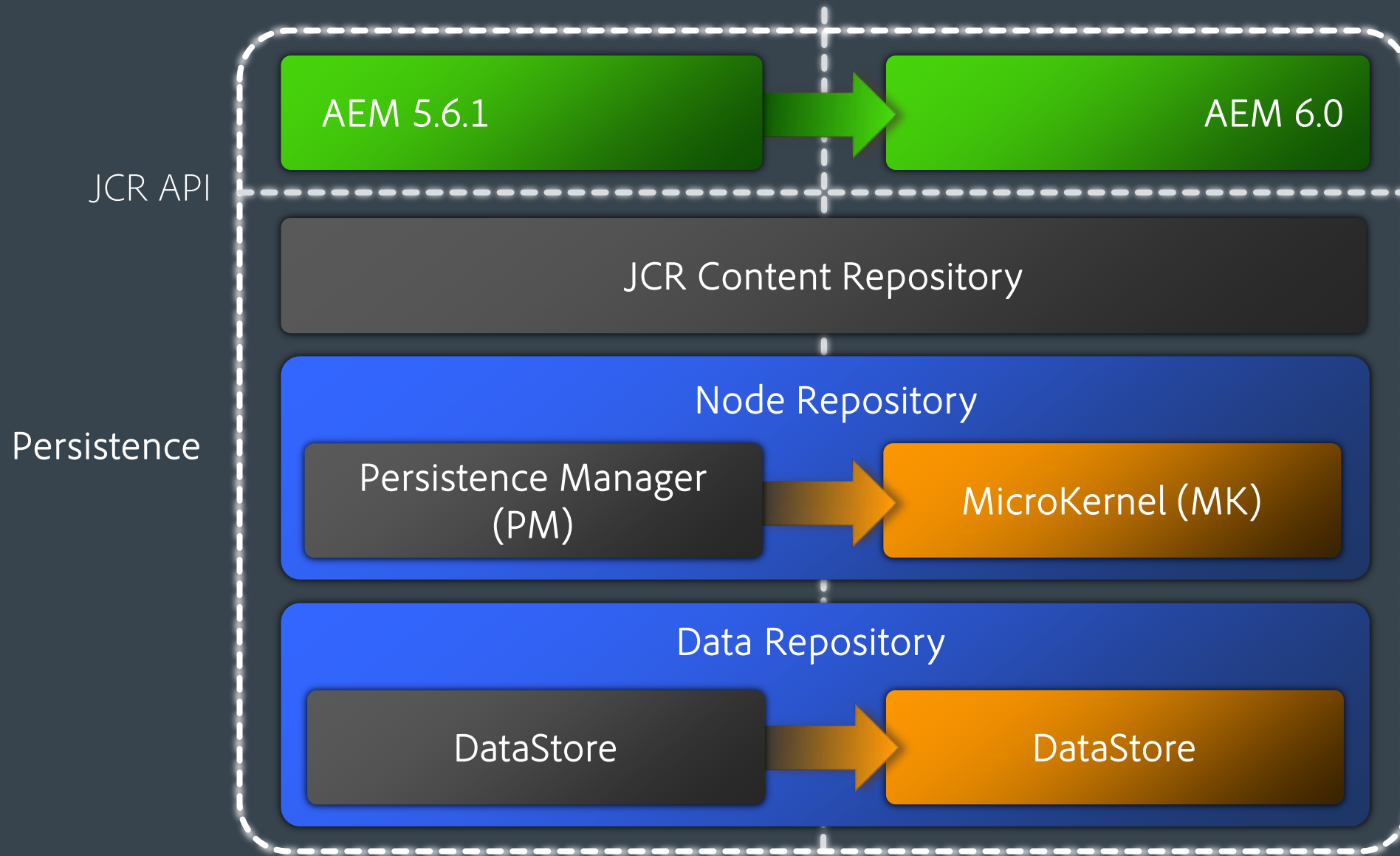
Adobe Experience Manager Application Stack



Platform **Changes** in AEM 6.0



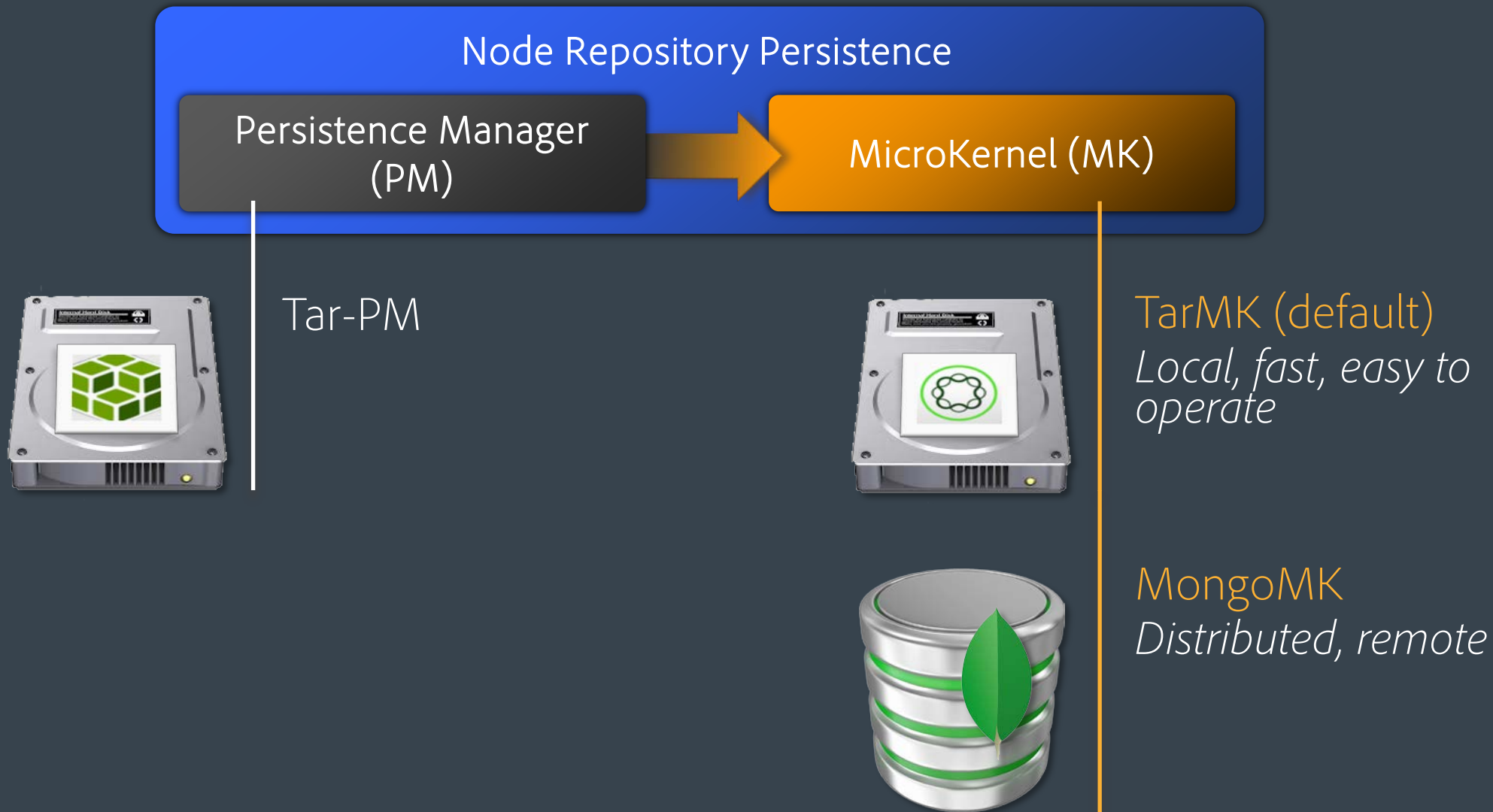
AEM 6.0 Repository Implementation transitions



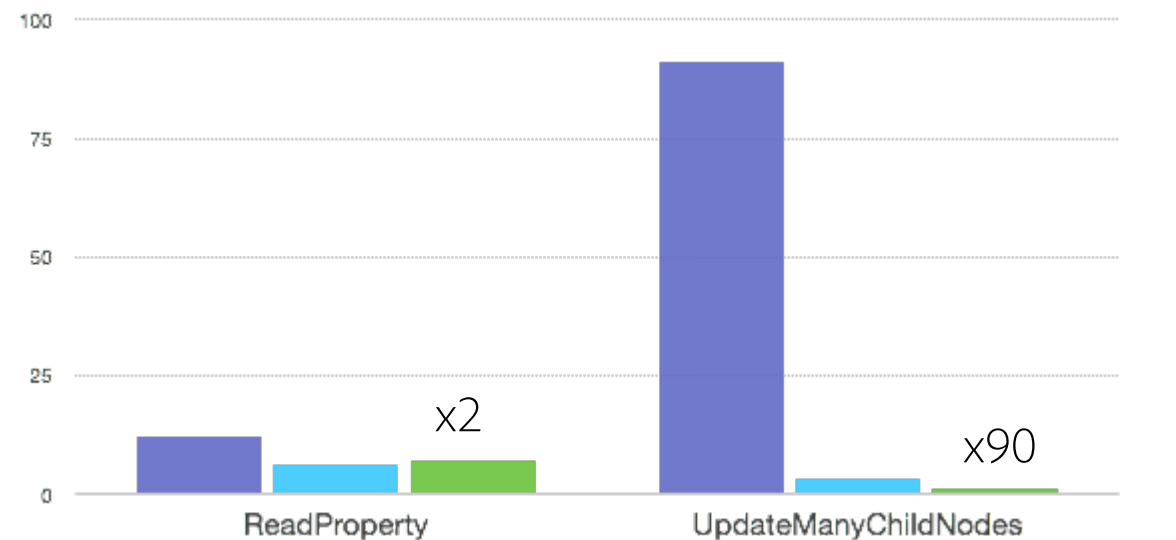
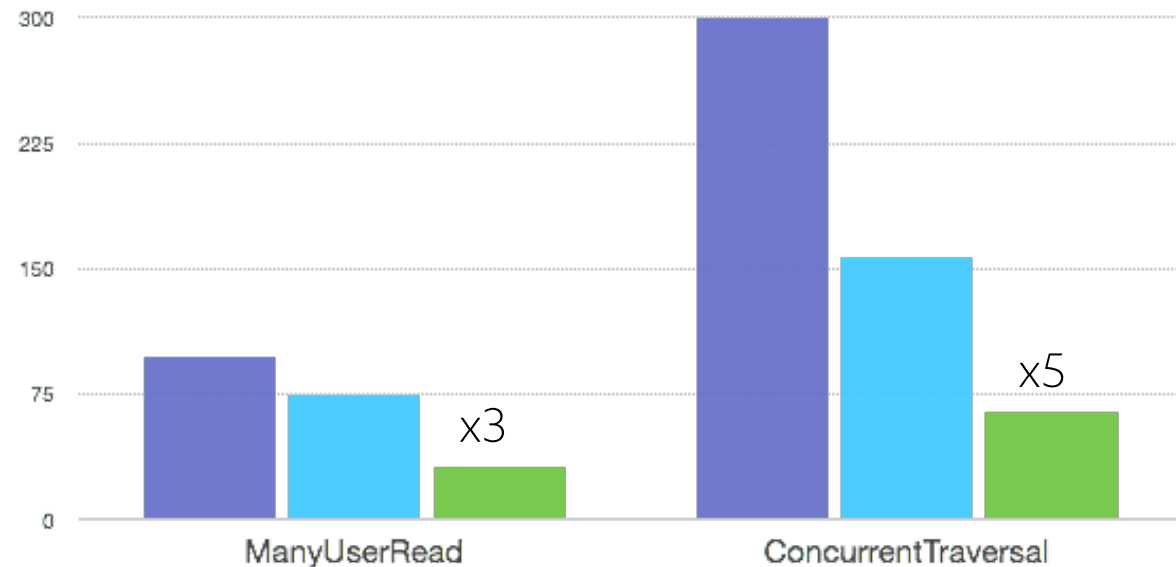
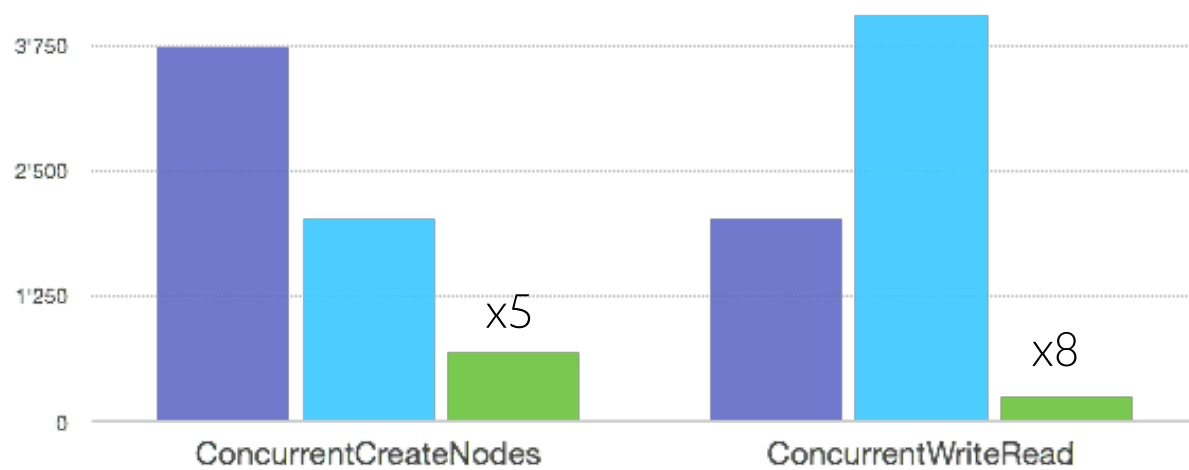
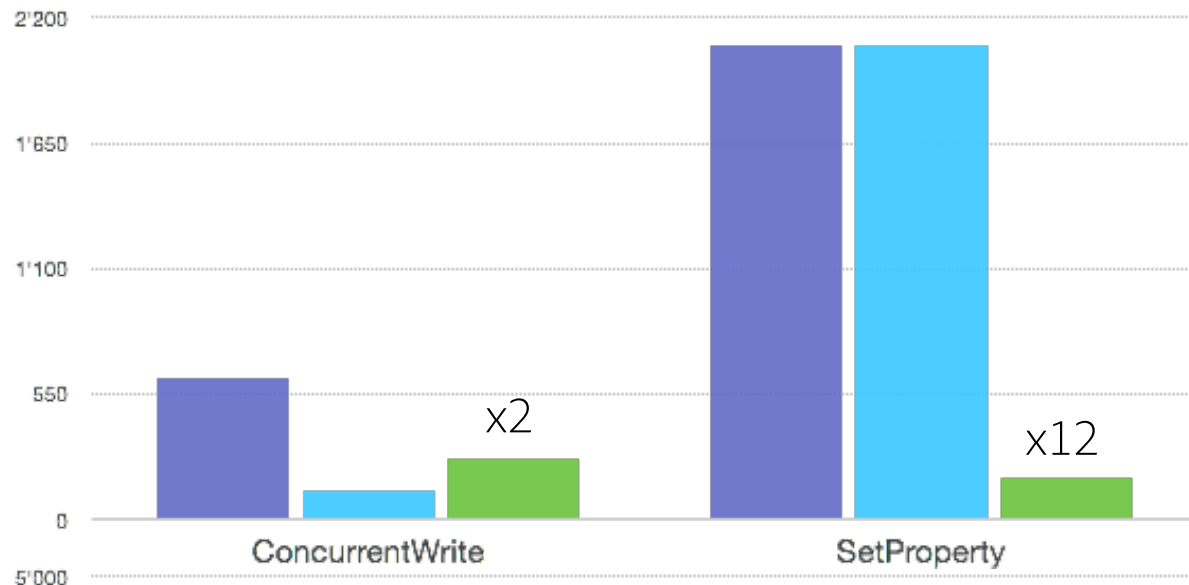
AEM 6.0 Repository Development Goals

- **Scalability:** Large repositories, many distributed cluster nodes
- **Write performance:** Parallel writes, high write throughput
- **Content scalability:** Support for many child nodes and high ACL complexity
- **Search performance:** Focus-oriented content indexing

AEM 6.0 Repository Available MicroKernels

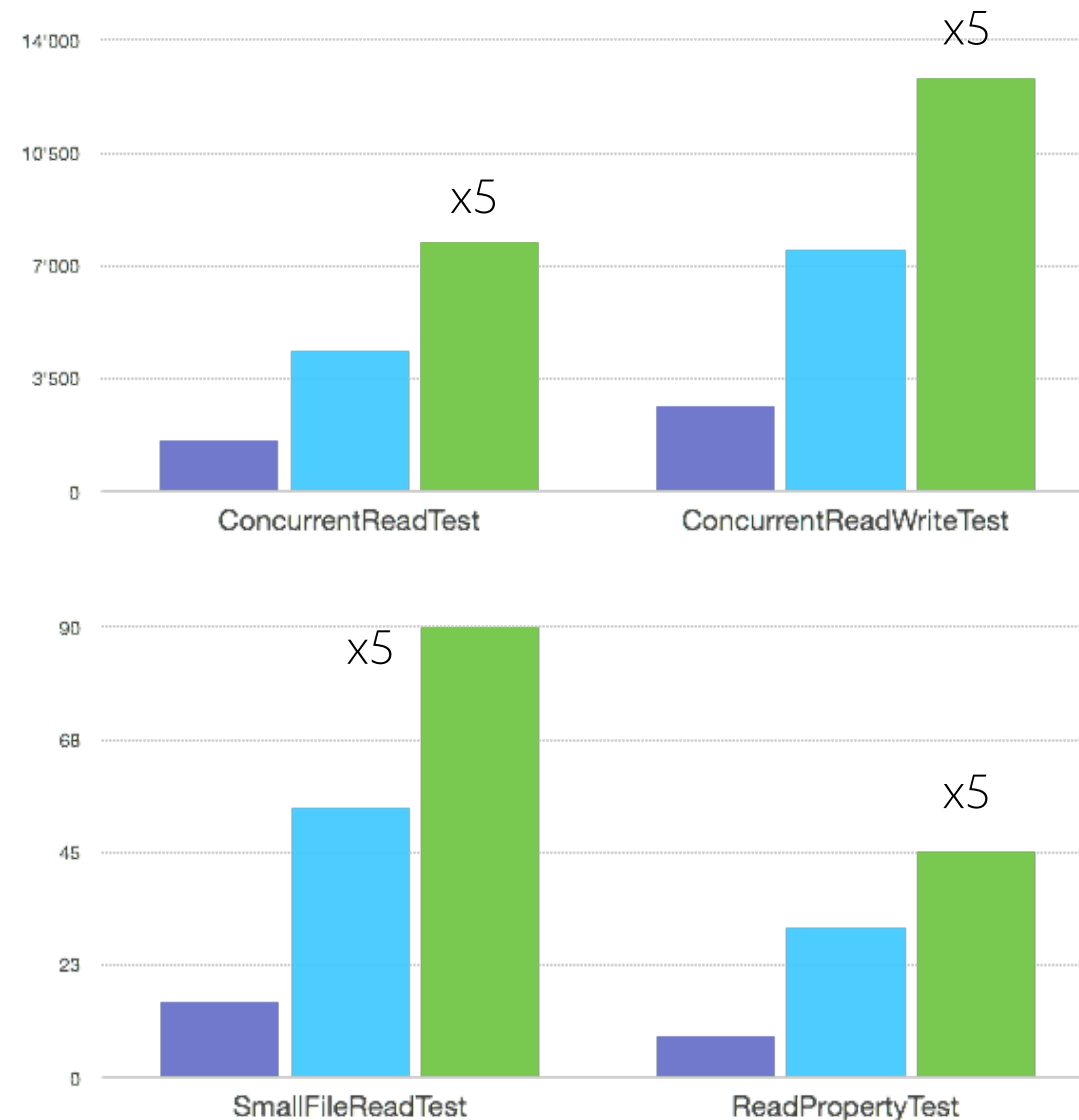
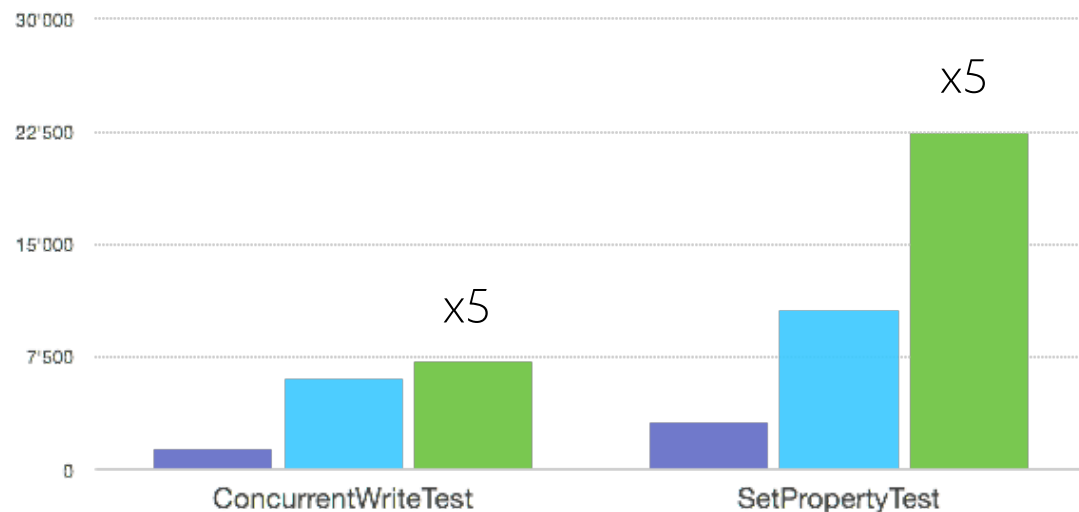
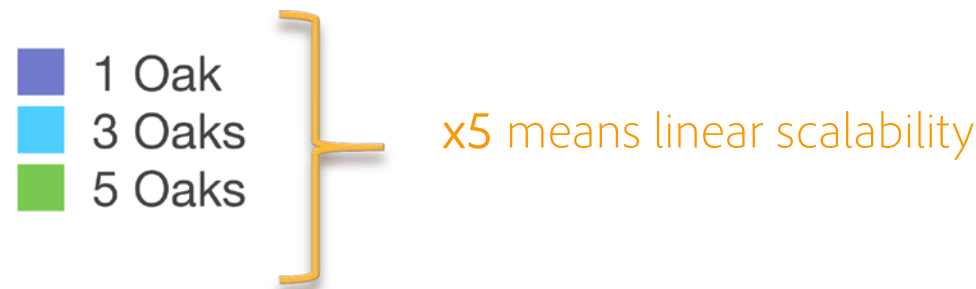


Numbers Performance (lower is better)

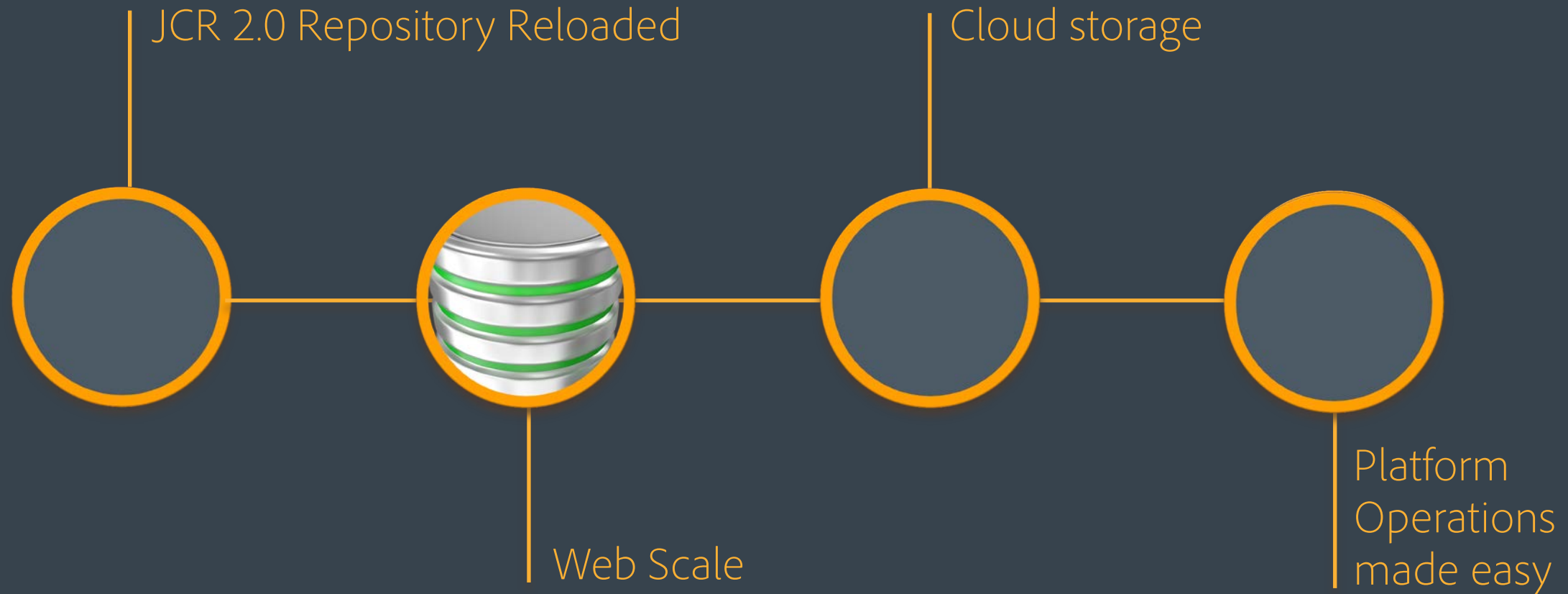


CRX2 MongoMK TarMK

Numbers Scalability (higher is better)



AEM 6.0 Platform: *Most important innovations*



Which Microkernel to use on AEM6 Author



Upgrade from CRX2 TAR-PM
for higher performance



Default: TarMK
Fast, local, easy to operate

Which Microkernel to use on AEM6 Author



Keep CRX2 TAR-PM on AEM6?

Deprecated, but still supported for a customer transition period. Status will be re-validated with AEM 6.1 release.

AEM6 Scalability



"We need options to scale on demanding AEM use-cases, also we need to be prepared for future business requirements."



MongoMK: AEM 6.0 Author to leverage MongoDB's web-scale capabilities.

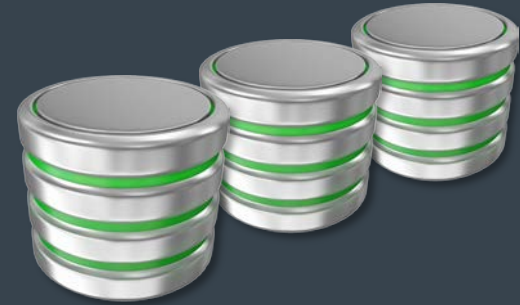


AEM6 Scalability Cluster options with MongoDB

Scale repository size Add MongoDB shards



Scale read throughput Add MongoDB replicas



Scale CPU: Add AEM instances



Scale globally (distribute replicas)



Which Microkernel to use on AEM6 Publish



"What's the upgrade path for my TarPM on publish? I want to keep using TAR, requirements are availability and load-balancing."



Primary use case is Publishing: TarMK as a "Farm" (independent instances)
Fast, independent, easy to operate

Which Microkernel to use on AEM6 Publish



"What's the upgrade path for my TarPM on Publish? I need availability and scalability on demanding AEM use-cases."



Primary use case is UGC:
MongoMK in a Publish Cluster
*All AEM Publish instances running on
same MongoDB*



AEM 6.0 Repository Scalability / Cluster

AEM 6.0 Author

TarMK (default)

Concurrent Authoring

Offloading AEM

High content processing

MongoMK

*Distributed Authoring
Many authors*

AEM 6.0 Publish

TarMK (default)

Many web site visitors

TarMK Farm

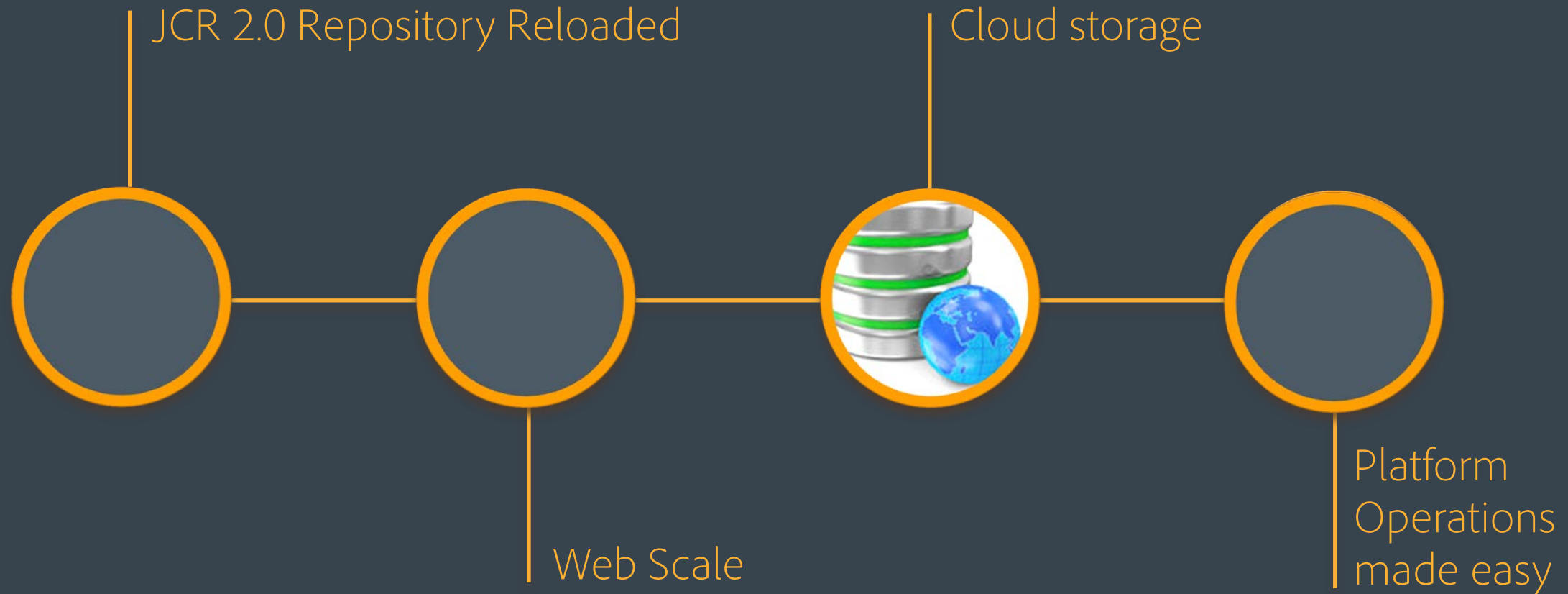
*Very high visitor peaks
High page complexity*

MongoMK

User-generated content



AEM 6.0 Platform: *Most important innovations*



Which DataStore to use with AEM6 TarMK



Using the TarMK, you can store your binaries at one of the locations:



Tar: Local, fast



File: Shareable on FS level, local or remote



AWS S3: Scalable, remote

Which DataStore to use with AEM6 MongoMK



Using the MongoDB-MK, you can store your binaries at one of the locations:



MongoDB: Scalable, remote

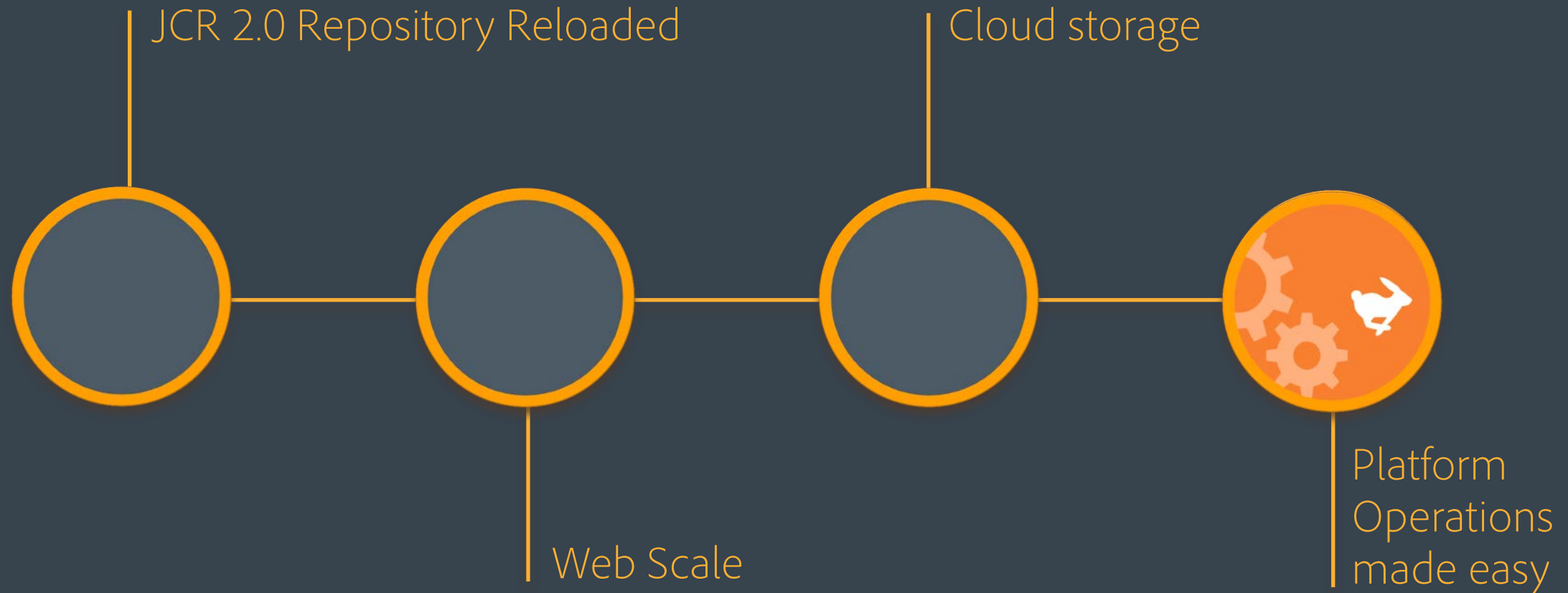


File: Shareable on fs level, local or remote



AWS S3: Scalable, remote

AEM 6.0 Platform: Most important innovations



Deep insights into your AEM performance.

- What should be monitored at AEM 6.0?
- How can I identify and analyze issues?
- What do I need to maintain on AEM 6.0?



DEMO

Operations made easy. AEM 6.0 Operations Dashboard provides control over system health, diagnosis and maintenance automation, efficiently and extensible.

Main improvements:

- System health overview at a glance
- Dramatically reducing time to find, analyze and fix issues
- One-Click system status to help Customer support gain efficiency improvements
- Self-contained maintenance automation to reduce project operations and support cases significantly

