

# Managing State in Service Fabric

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**Ivan Gavryliuk**

SOFTWARE ARCHITECT

@aloneguid <http://isolineltd.com>



# Overview



**State Management**

**Cluster Internals**

**Application Internals**

**Large Databases**

**Partitioning**

**Building Checkout Service**

**Simulate Chaos**

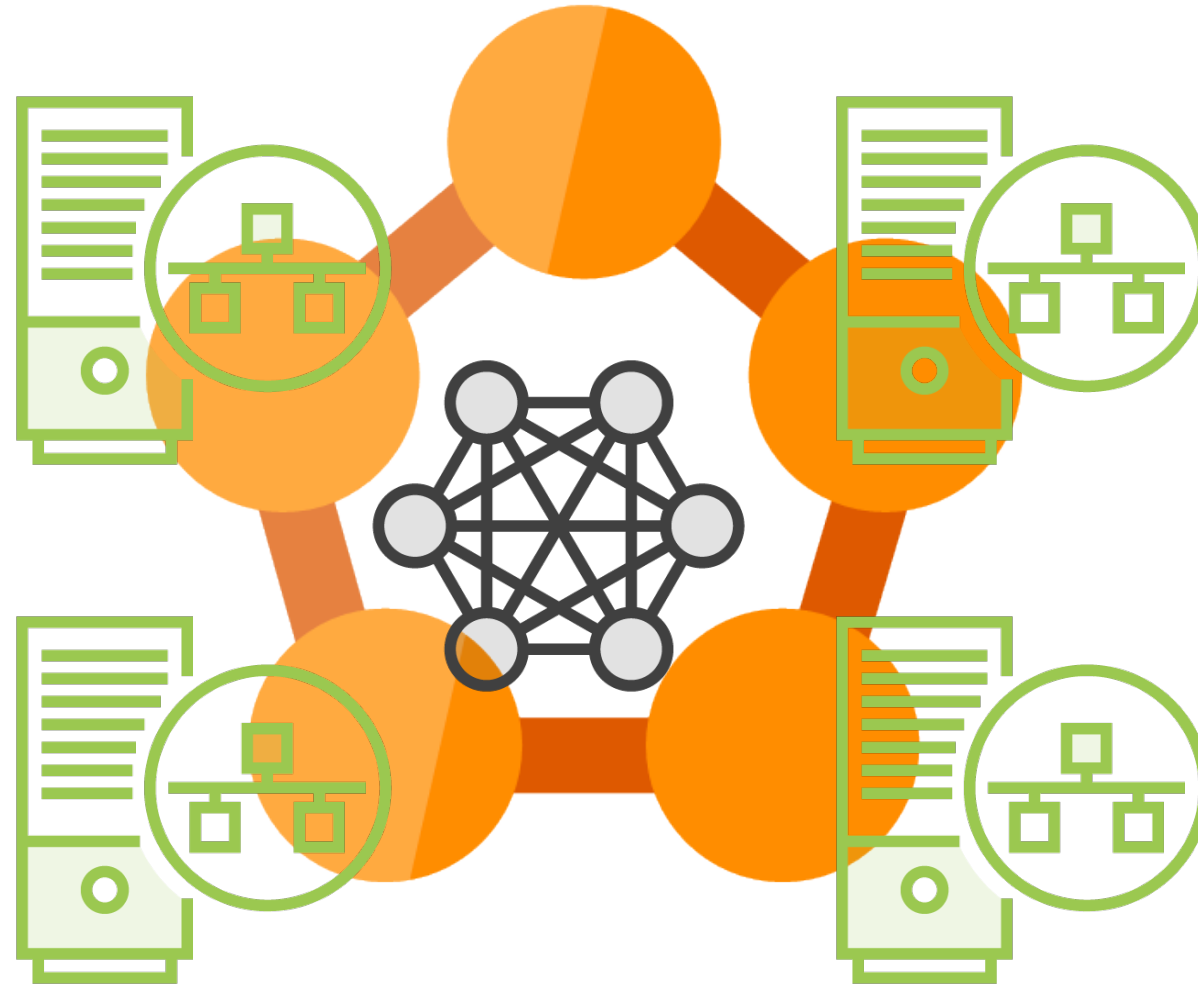


# Clusters and Nodes

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# Cluster

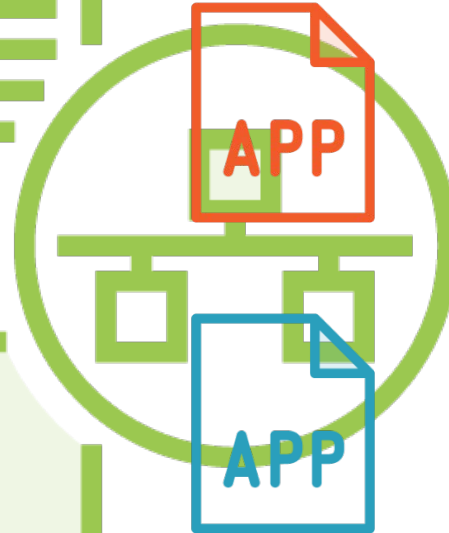


# Node

OS



Service Fabric runtime



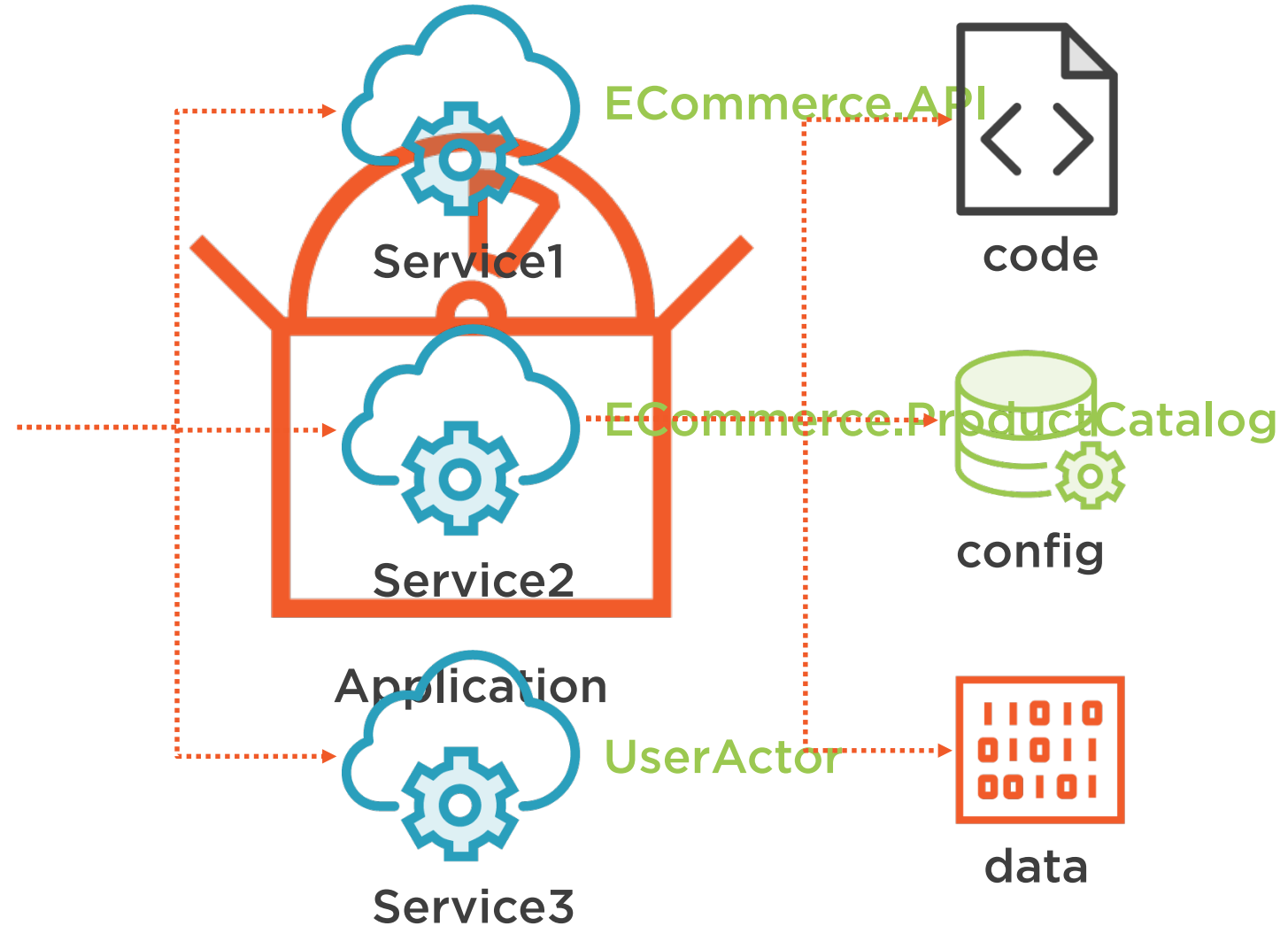
# Instances, Replicas and Partitions

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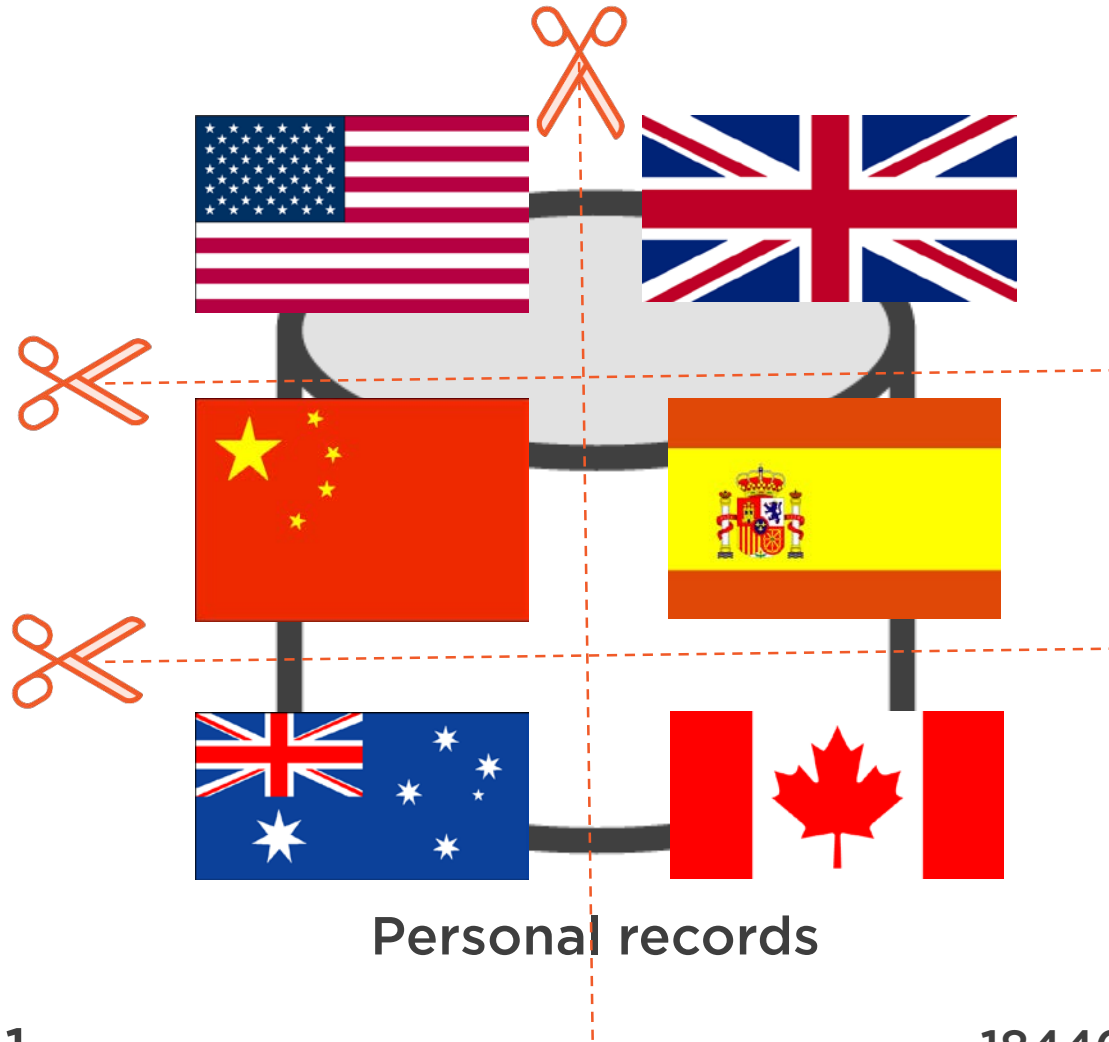


# Application

ECommerce



# What Are the Partitions?



Personal records

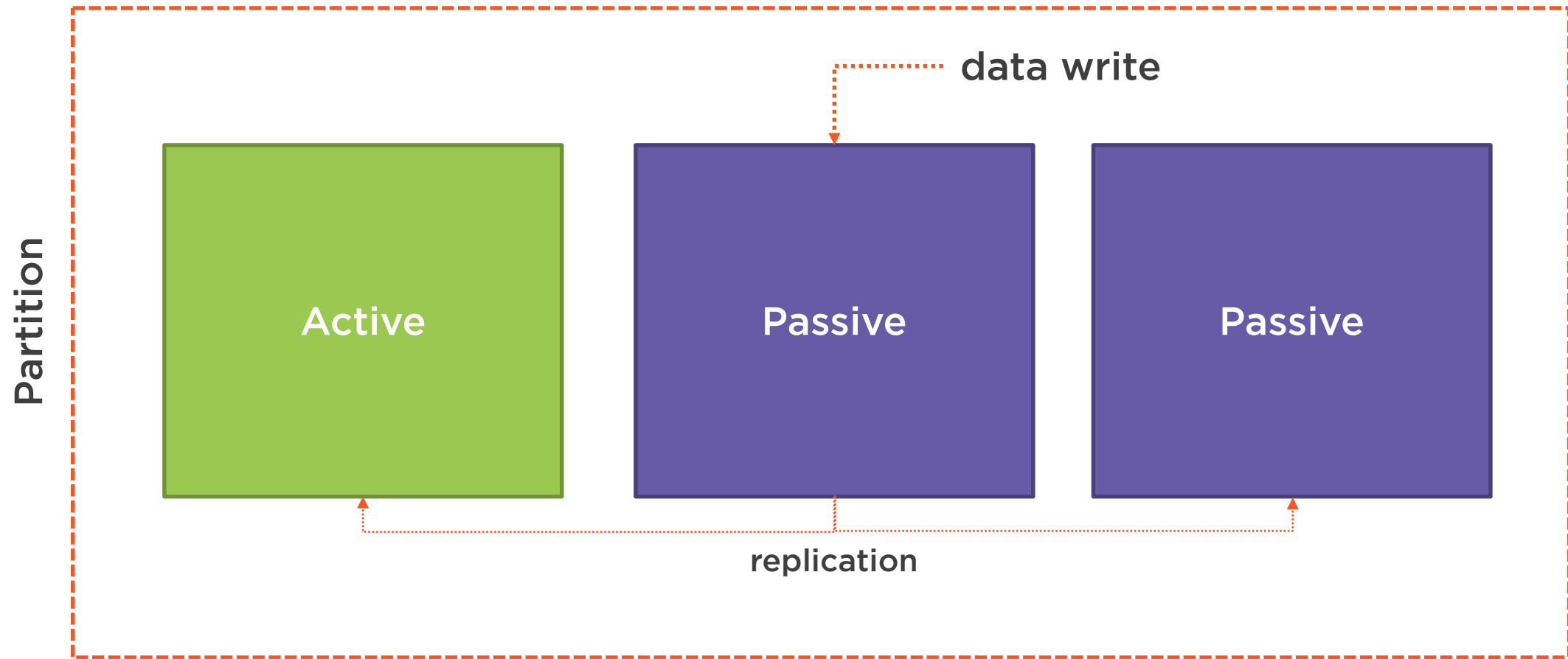
1

18446744073709551615





# Replicas

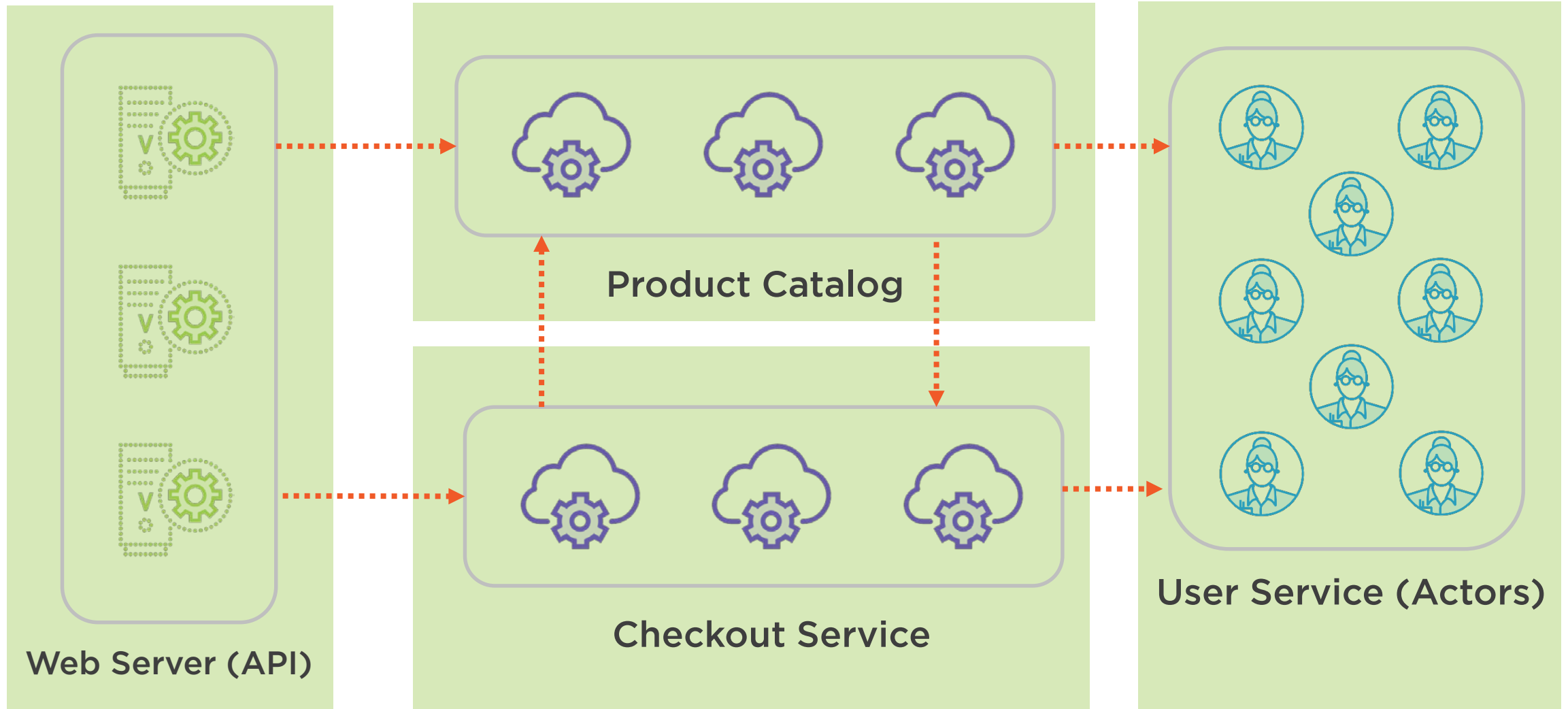


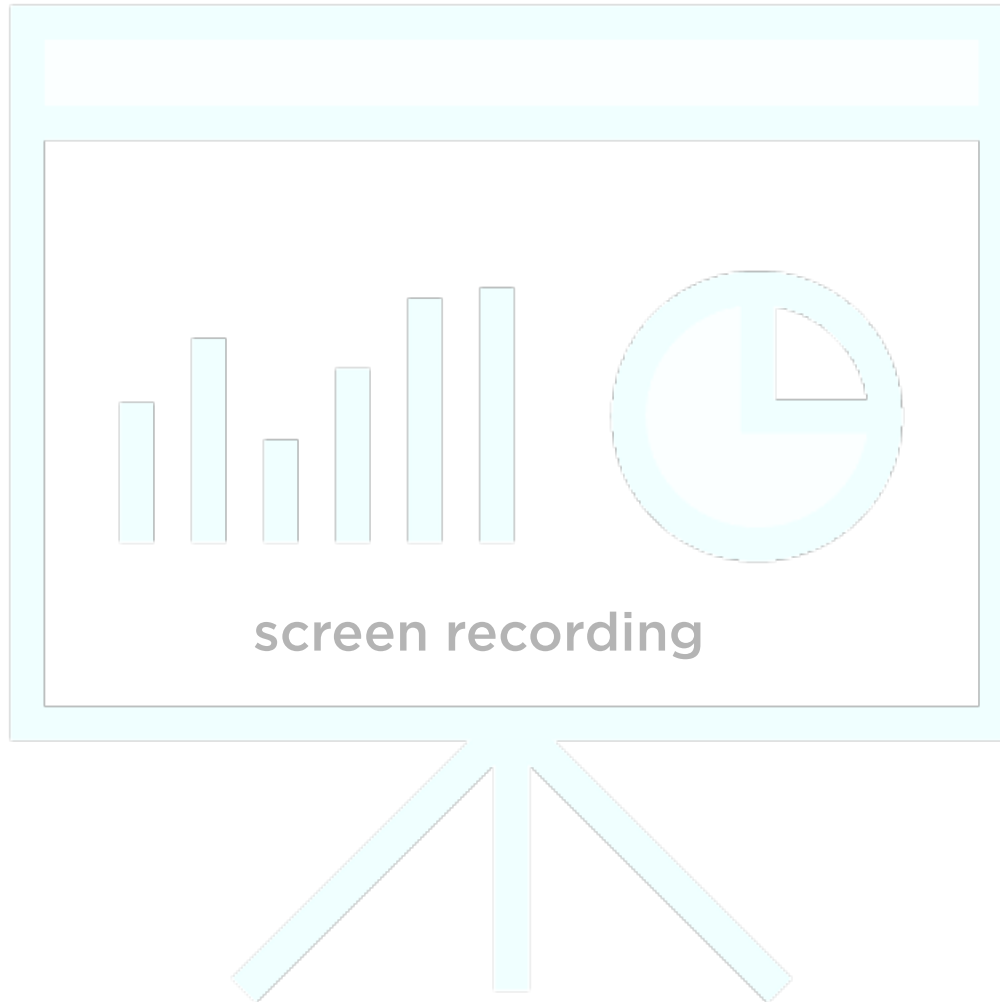
# Creating Product Catalog

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# Application



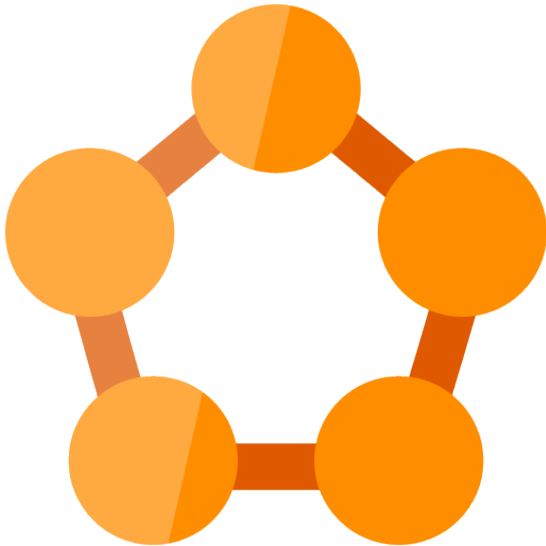


# Configuring Service Partitions

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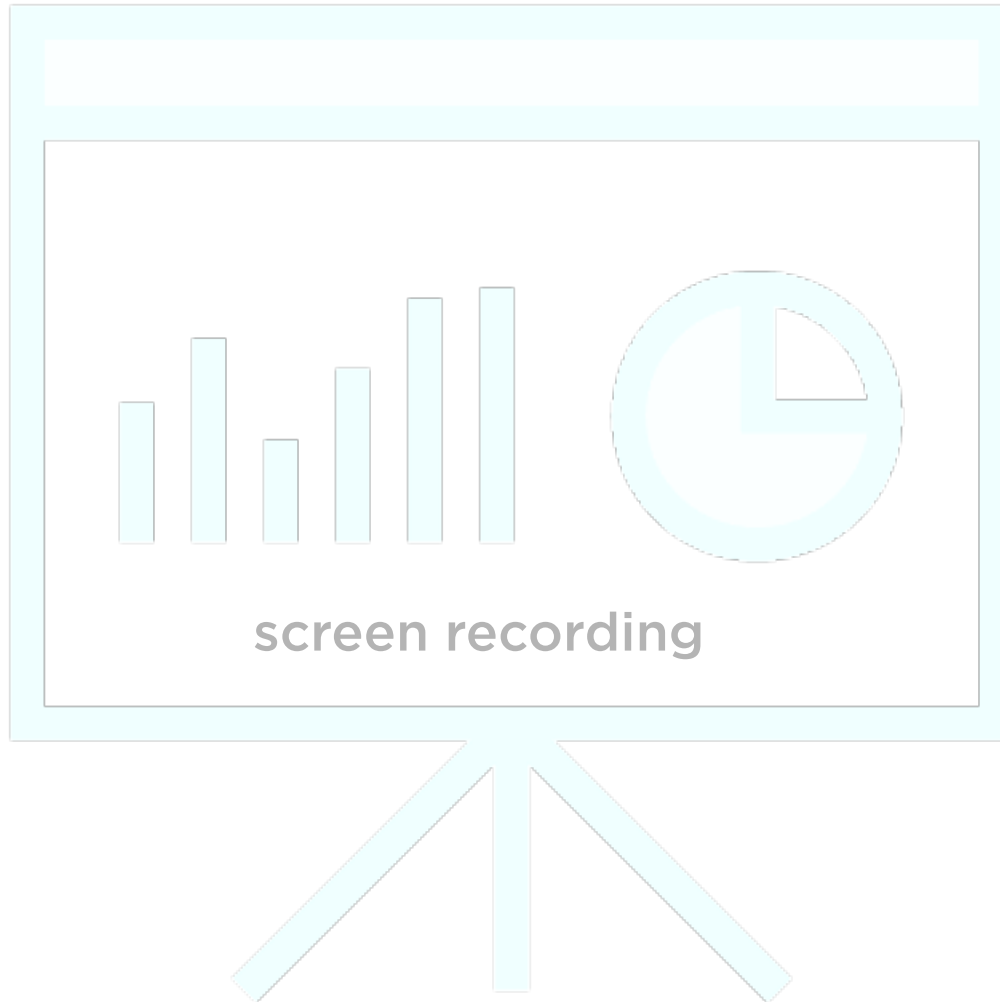


# Service Fabric Explorer



## **Gets overview of your cluster**

- Number of nodes
- List of applications
- List of services
- Partitioning scheme
- etc..

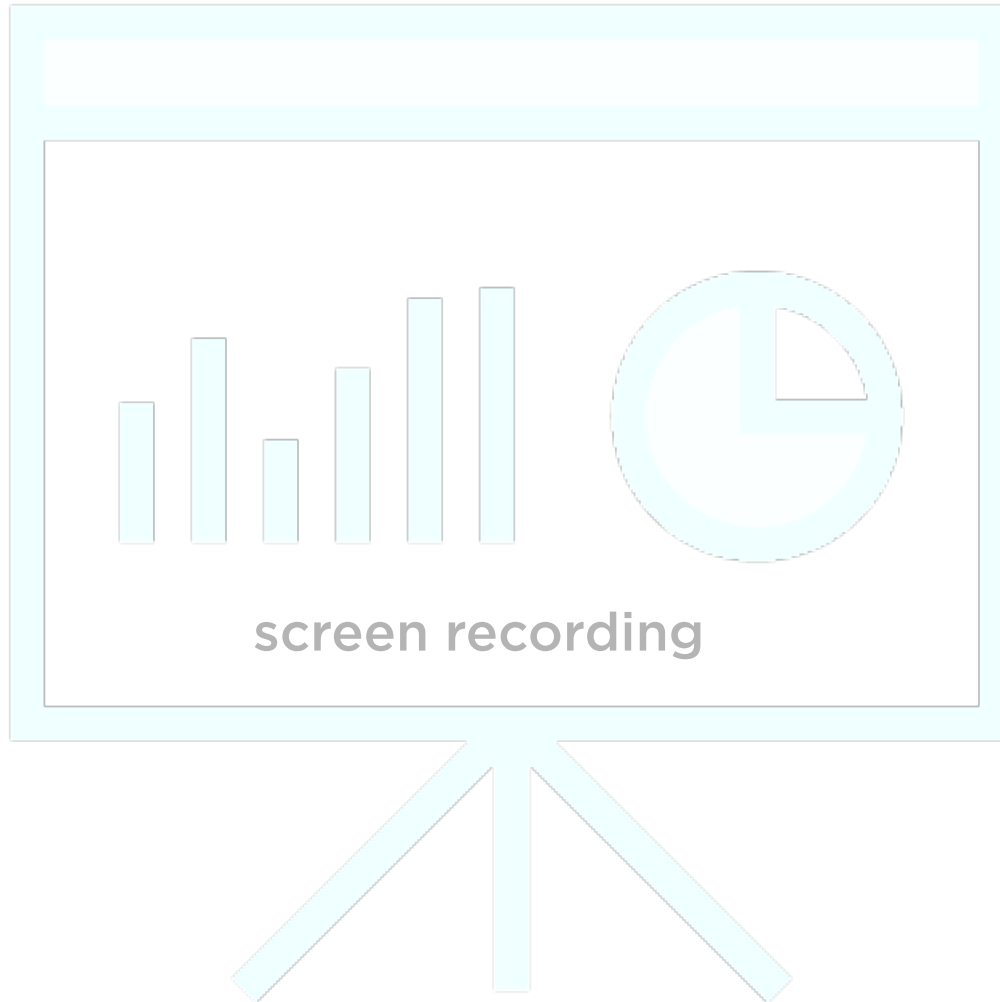


# Simulating Disasters

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# Summary



**Partitions, Replicas and Instances**

**Services and Replicas**

**Partitioning Big Data**

**Partition Configuration**

**Disaster Simulation**

