Complexity Quanta and Platform Definition

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Sequential

Multi-Thread

Multi-Process

Multi-Machine

Multiple, Untrusted Machines

Ordering

Context

State

Trust

Parallelism

Isolation

Independent Failure

Scale

Platforms

Batch OS

Language Extensions

Multiple Processes

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Grids

Outside

Inside

Two Discontinuities

Two Solutions

Jini 1.0

Mobile Code

Ad-hoc Organization

Failure

Types

Jini 2.0

Security

Configuration

Platform

Program
vs.
Deploy

Services

Containers

Storage

Dynamic Runtime

Virtual Machines

Deja Vu

The Platform

Thank you
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