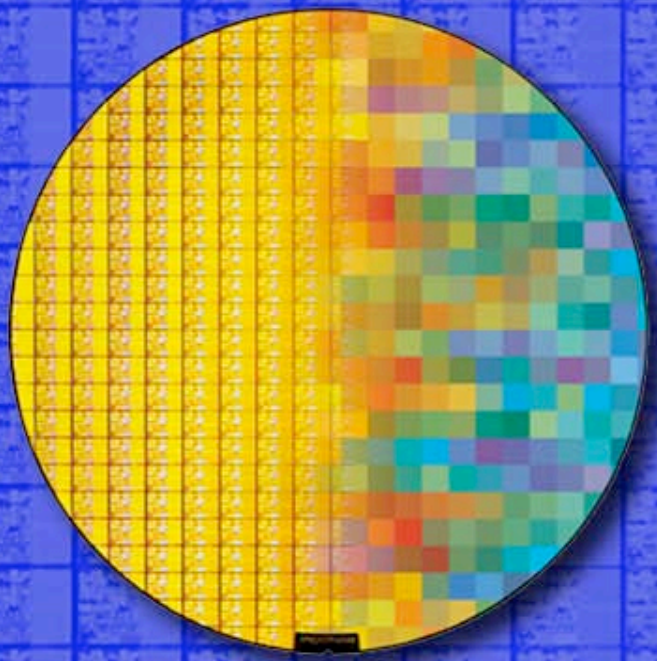


The NEW Net

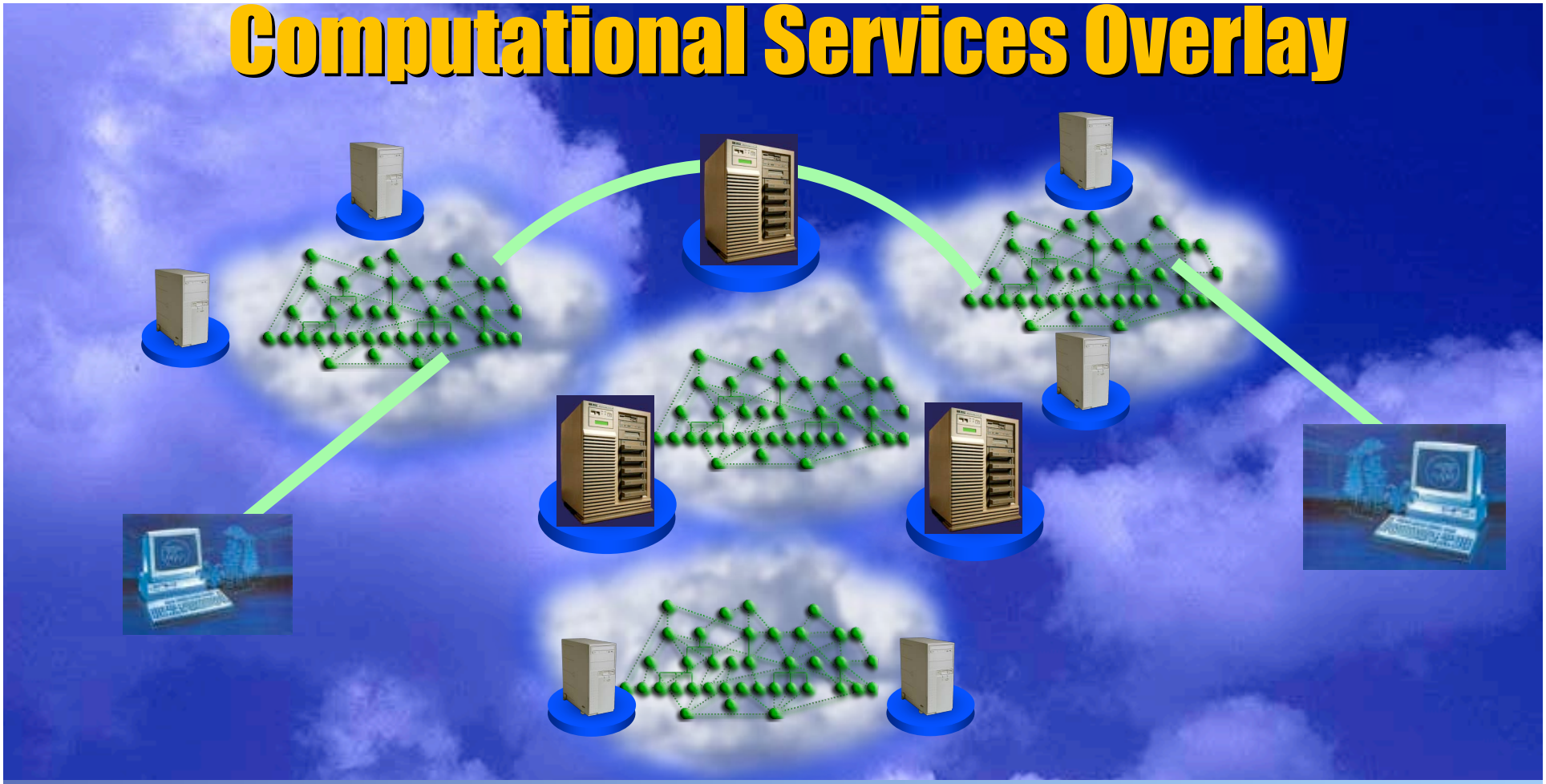
Pat Gelsinger

Chief Technology Officer

intel

Intel Developer FORUM

Computational Services Overlay



Platform for new services

Infrastructure services

End-user services

Network-aware, adaptive

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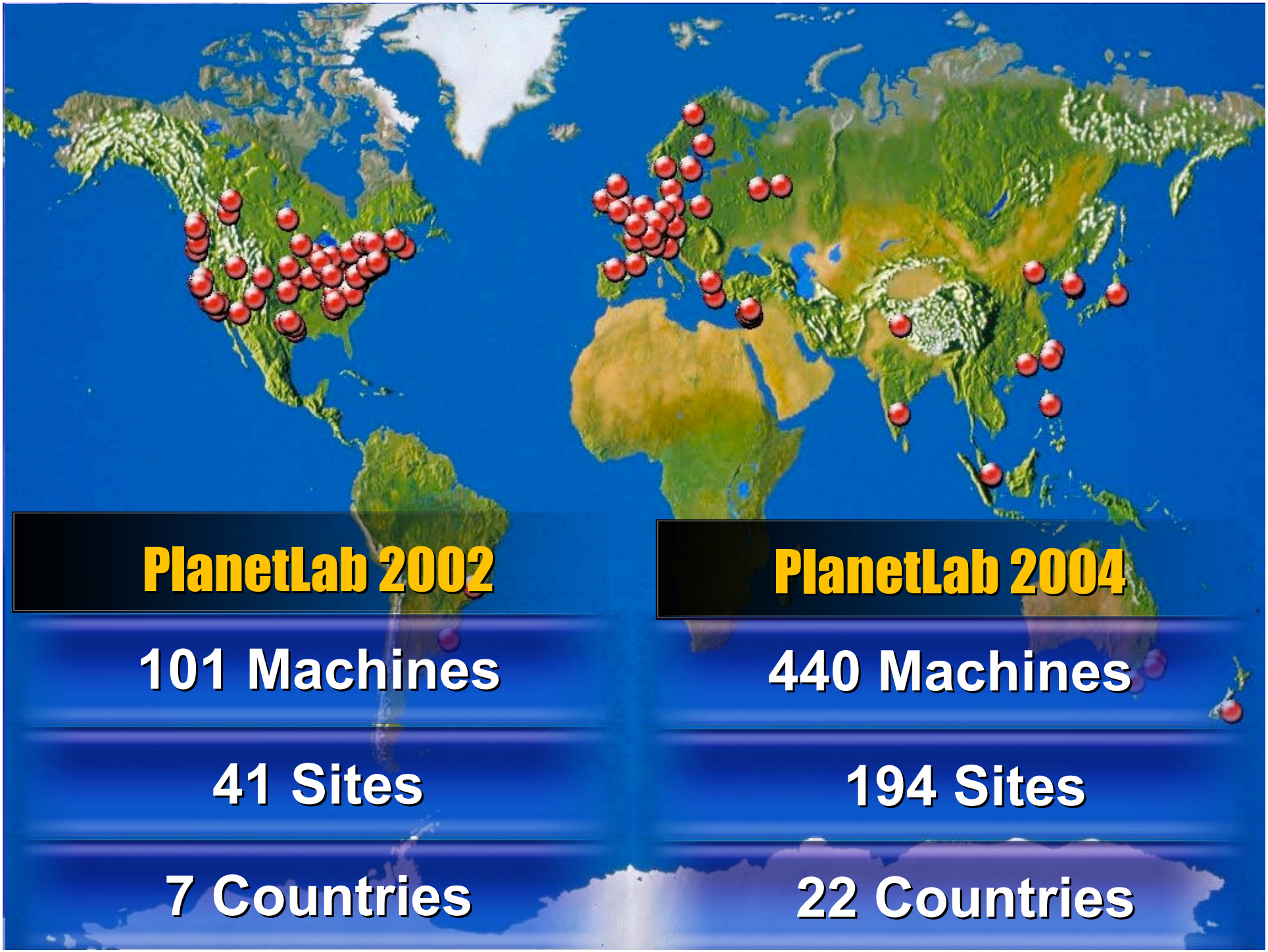
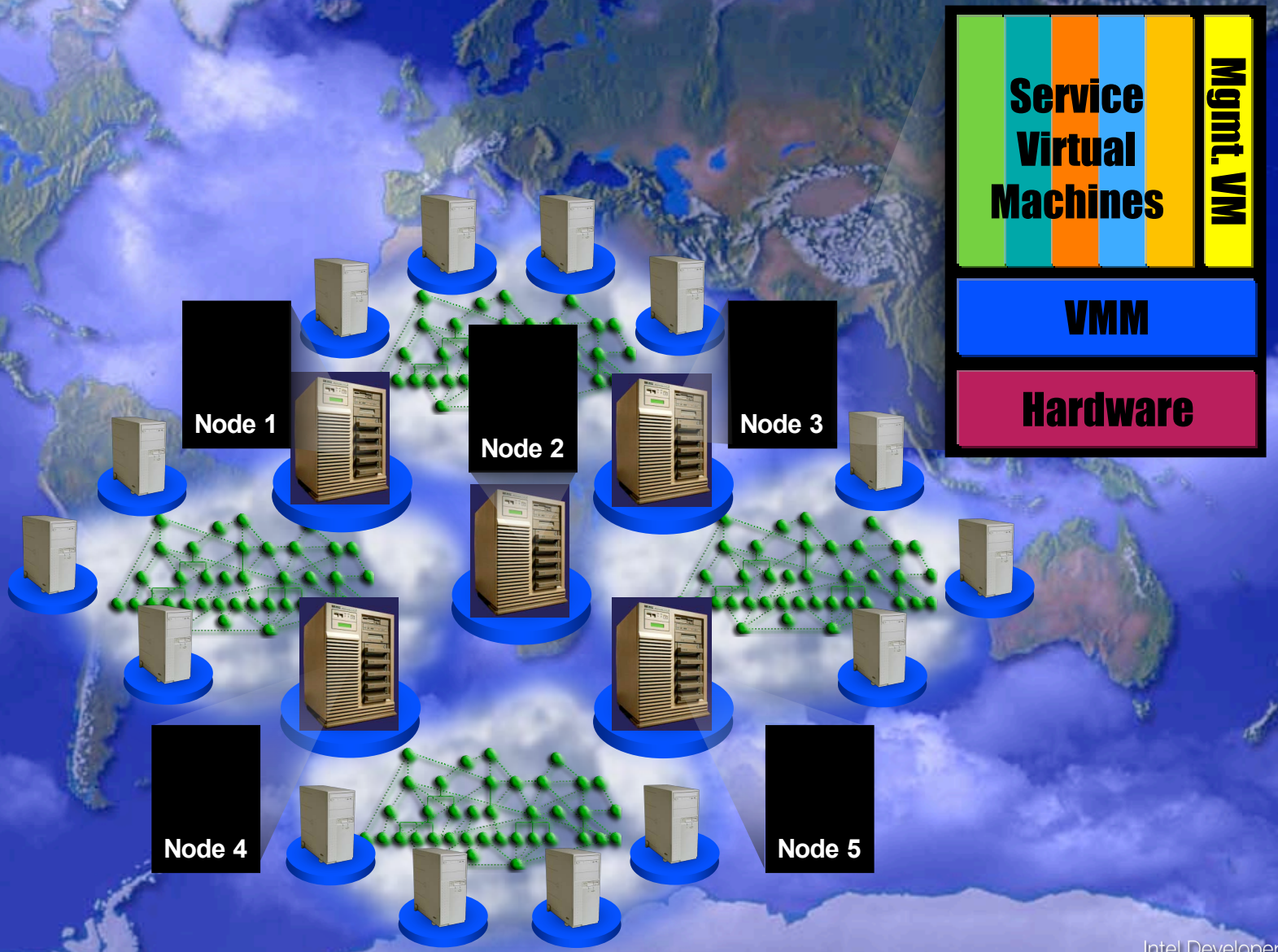

PlanetLab 2002
101 Machines
41 Sites
7 Countries
PlanetLab 2004
440 Machines
194 Sites
22 Countries

PlanetLab Service Architecture



Computational Services Overlay

PlanetLab Services are Running

Infrastructure Services & End-user Services

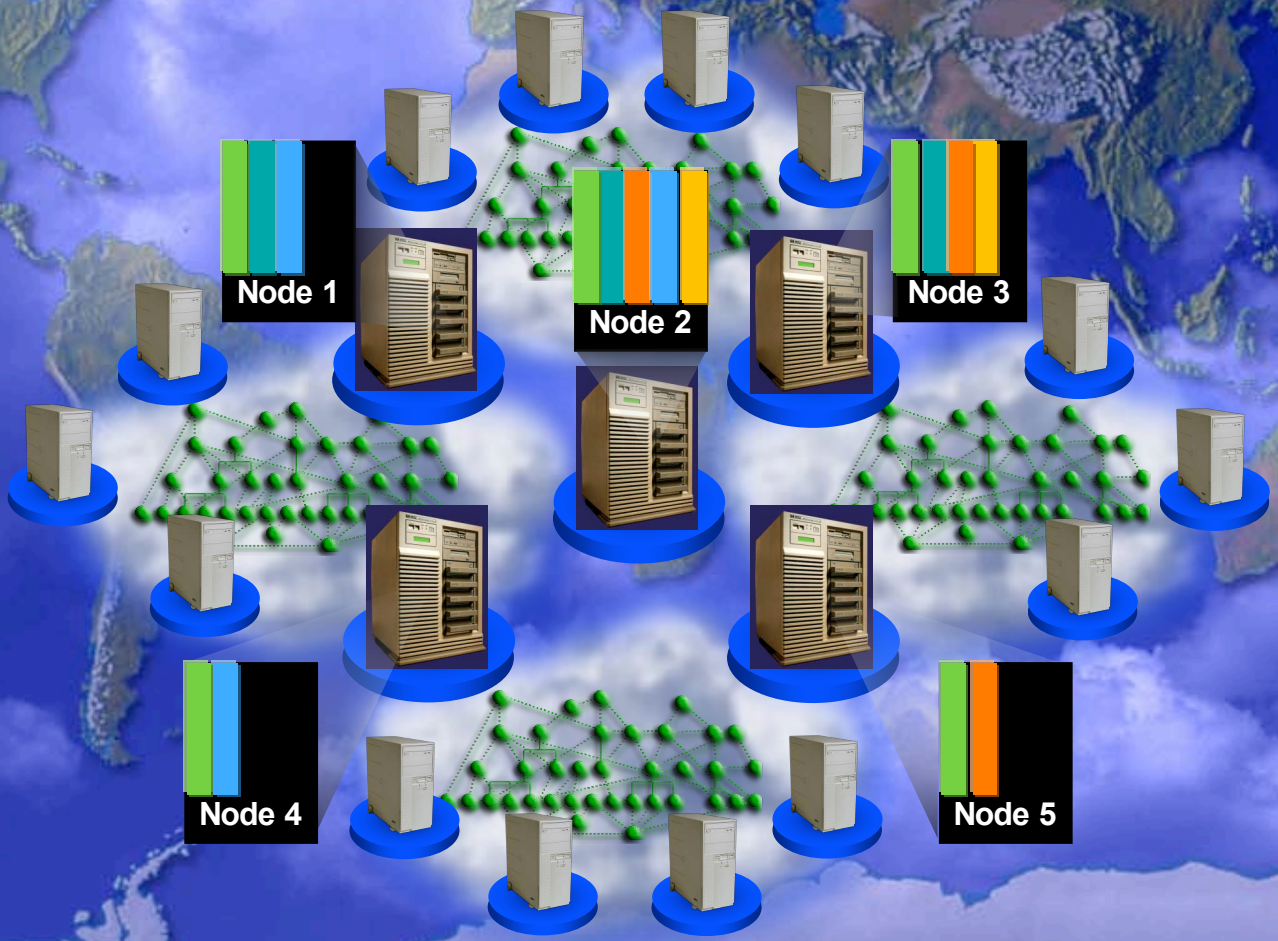
Event Processing

Network Mapping

Distributed Hash Tables

Content Distribution

Web Casting



Computational Services Overlay

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Our Vision for the New Net

Packet Communication → Service Hosting Platform

Routers → Routers/Servers/Disks

End-to-end → Edge → Everywhere

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