



# Sun and Grid

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Grid Business Development

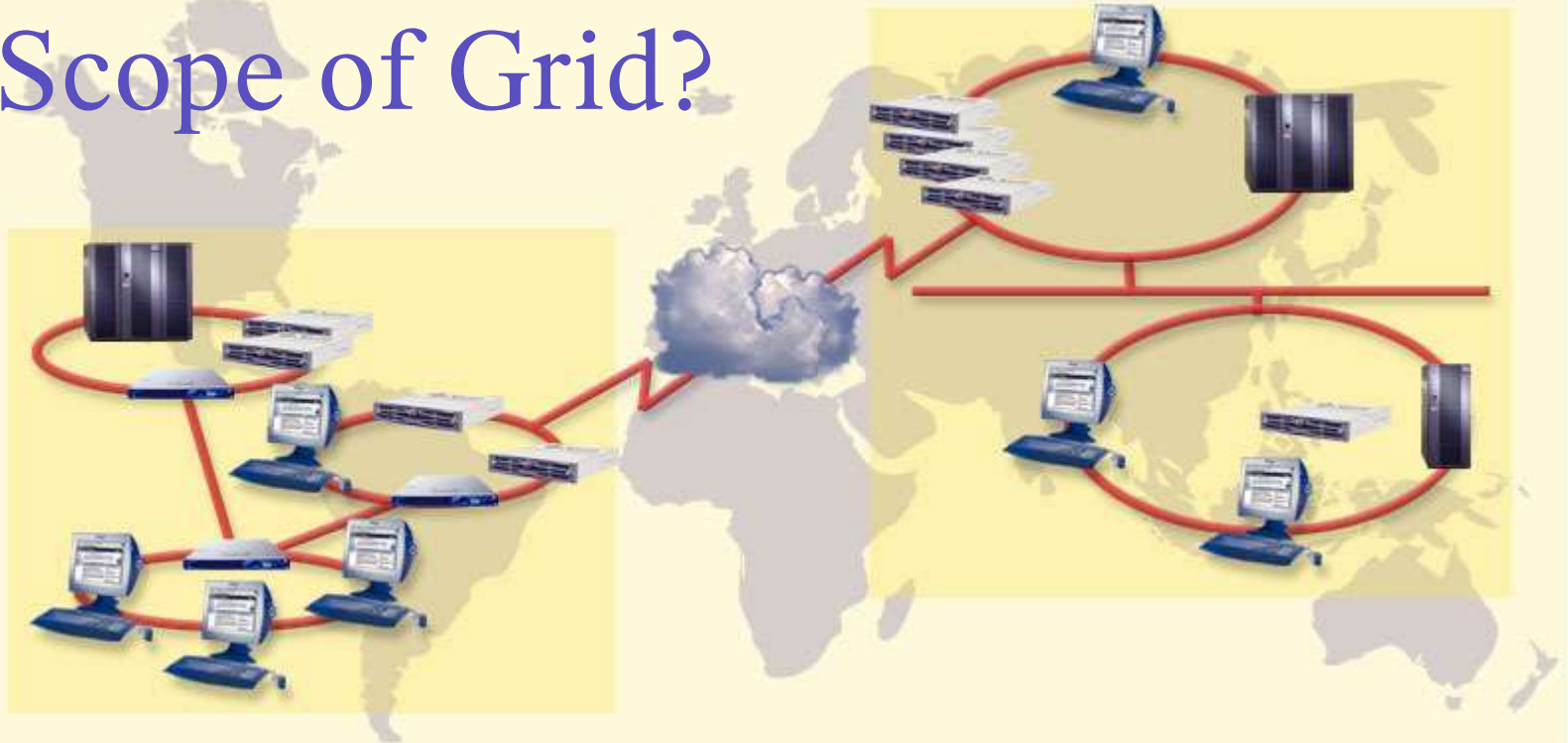
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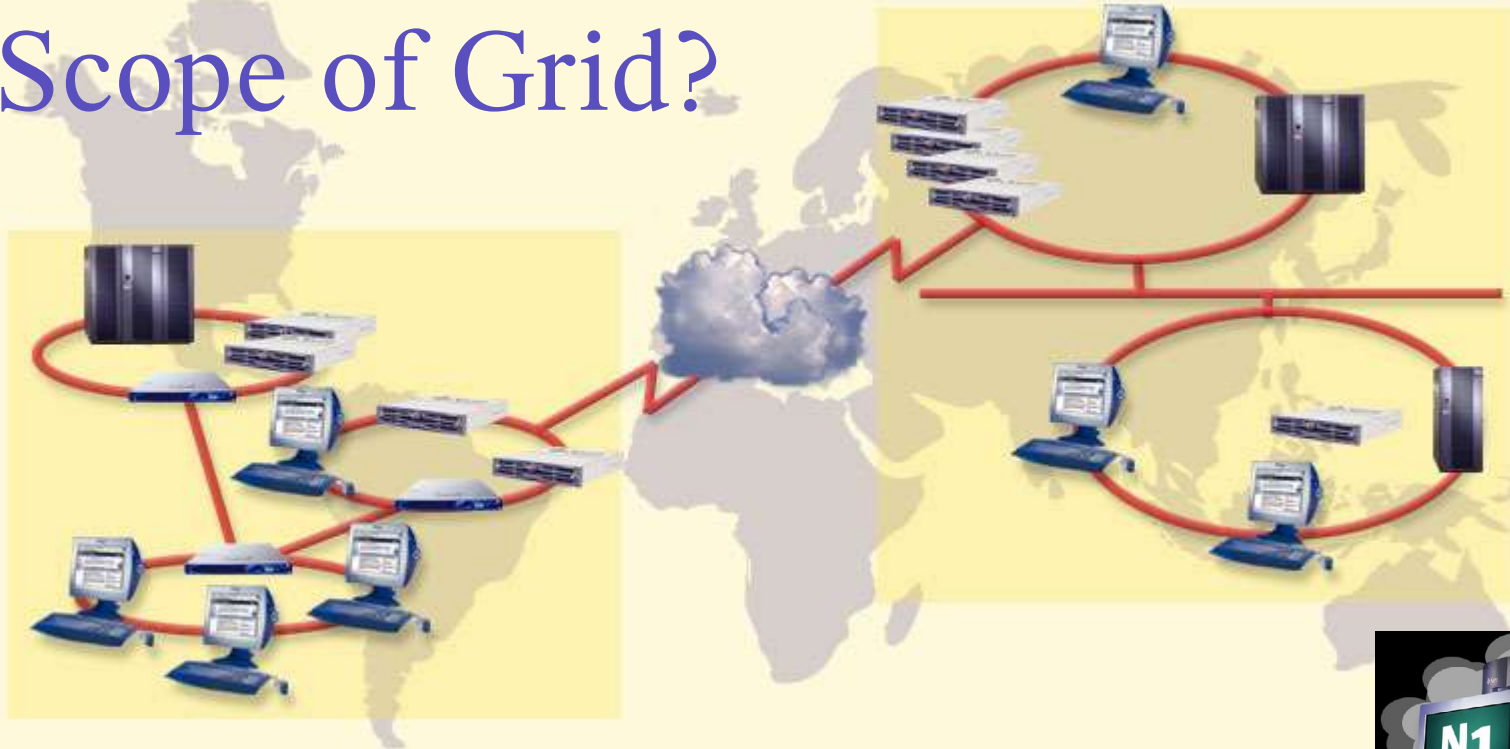
# Sun and Grid

- Scope of Grid?
- Sun and eScience
- Sun and Grid for Industry
- Grid for Industry : Issues

# Scope of Grid?



# Scope of Grid?



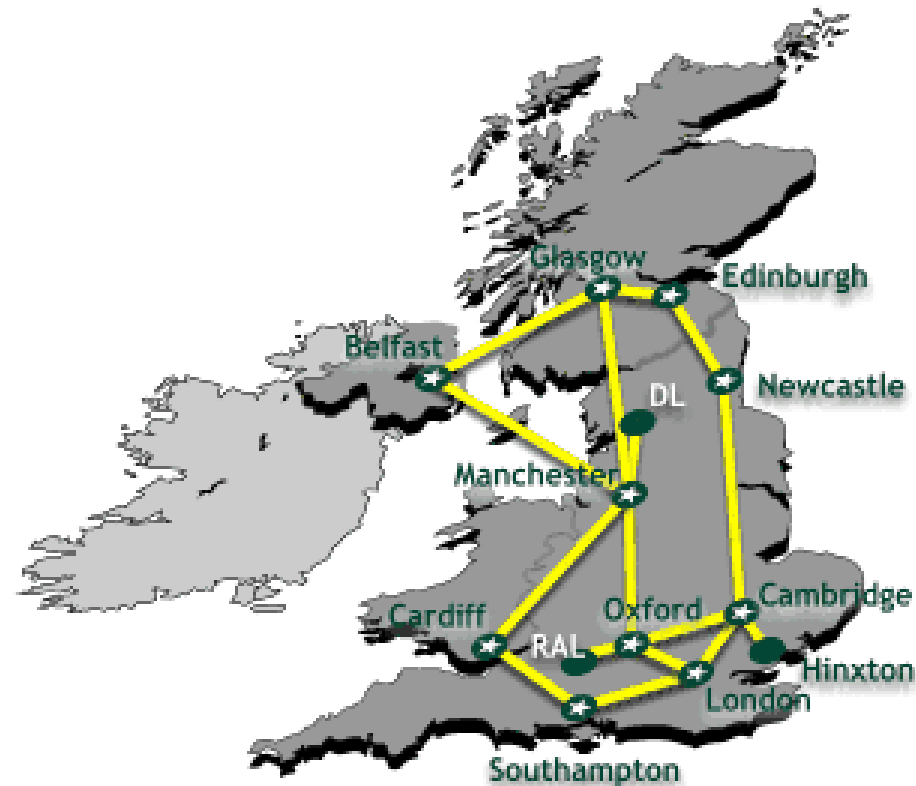
- The Network is the Computer
- 1980s: internal networks
- 1990s: internet/web
- 2000s: Grid?

- Web Services
- Utility Computing
- Grid
- Management (N1)

# Sun and eScience

- National Centre
  - Sun DCG Project
- Regional Centres
  - LeSC, Imperial

EPIC: Portals  
Computational Markets
- Oxford & OCCF
- Cambridge/Cranfield





THE UNIVERSITIES OF LEEDS, SHEFFIELD AND YORK

## THE WHITE ROSE GRID

Welcome

- 3 sites
- 4 major systems
  - Portal access
  - SGE EE
  - Globus
  - Production *Global* Grid
- DAME (Rolls Royce)





# Sun and Grid for Industry

- **Grid Reference Architecture**
- **Grid Services**
  - Grid Workshop
  - Grid Assessment Service
  - Grid Architecture Service
  - Grid Implementation Service
  - Grid Pilot Projects
- **Pre-configured Compute-Grids**
- **Industry Solutions**
  - Hardware platform
  - Grid Middleware
  - Application



# Grid for Industry : Issues

- Internal politics
- OGSA not industrial strength
- (Perceived) complexity
- Confusion: Grid, Web Services, Utility
- Data: Avaki, SRB, OGSA-DAI, Oracle 10g
- Security, trust, privacy
- Grid Service Providers: SLA, payment
- Industry wants Business Solutions, not Grid Solutions