









September 3, 2003

















15

17

September 3, 2003

eptember 3, 2003

Limited focus



- New capabilities constructed dynamically and transparently from distributed services
- Service-oriented, virtualization
 September 3, 2003

Building the Grid Open source software Globus Toolkit®, UK OGSA DAI, Condor, ... Open standards OGSA, other GGF, IETF, W3C standards, ... Open communities

- ♦ Global Grid Forum, Globus International, collaborative projects, ...
- Open infrastructure
 UK eScience, NSF Cyberinfrastructure, StarLight, AP-Grid, ...









he photoes alliance wasceptions.mg Web Services

- XML-based distributed computing technology
- Web service = a server process that exposes typed ports to the network
- Described by the Web Services Description Language, an XML document that contains
 - Type of message(s) the service understands & types of responses & exceptions it returns

23

- "Methods" bound together as "port types"
- Port types bound to protocols as "ports"
- A WSDL document completely defines a service and how to access it

September 3, 2003

a



























































































































89

September 3, 2003

the plotos alliance

Important Standards Activities

- Data services
 - ♦ DAI
- Agreements
 - Basis for provisioning, quality of server
- Management interfaces
- · Policy and security

September 3, 2003

