



## **Contrail Consortium**

Country/Partner	Research	SME	Industry
France	INRIA	EBM WebSourcing	
Germany	ZIB		
Italy	CNR		
			Tiscali
			HP-IIC
the Netherlands	VUA		
		GENIAS	
Slovenia		XLAB	
United Kingdom	SFTC		
		CONST	





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the concept of Virtual Organization

- management, maintenance burdens are on the owner =

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App Model for Utility Computing				
Amazon EC2	Windows Azure		ine Som	
Close to Physical Hardware	.NET and CLR ASP.NET Support	App Specific Tradit Web App Mod		ew ??
User Controls Most of Stack	More Constraints on User Stack	Constrained State Stateful Tiers	· •	??
Hard to Auto Scale and Failover	Auto Provisioning of Stateless App	Auto Scaling ar Auto High-Availal		??
Constraints on App Model Offer Tradeoffs Lots of Ongoing Innovation				
Lower-level, Less managed "flexibility/portability"			er-level, managed in functionality"	























- Advanced SLA management
  - · QoS enforcement, monitoring
- Quality of Protection
- Data privacy, location
- Cloud security
- Dependable application execution on top of clouds and cloud federations

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Sub-projects and Workpackages				
-				
SP5. Use cases and e				
Applications and Use Cases	Communication Testbeds and Dissemination Testbeds Communication			
SP4. System Engineering	SP3. Platform as a Service High level services Runtime environments			
	SPI. Cloud federation management			
System Architecture	2 3 Service love			
	SP2. Virtual Infrastructure layer			
Integration, testing and release management	4 Virtual 5 Computational Resource 6 CI La LA			
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