

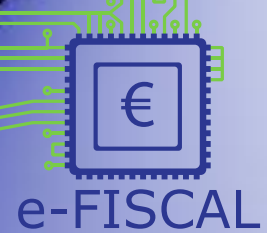
Where my application should run? HPC, Grids or Clouds?

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Statements

Topic	HPC	Grids	Clouds
Obtaining the rights	Granting	Sharing: R2R: Research-to-Research	Paying: B2B: Business-to-Business
Processing	Batch processing Run-time known	Batch processing Run-time estimated	Web applications Undefined run-time
Data	Handled fast but I/O problems	Limited capacity & services; processing where data are (?)	Able to handle large data Data transfer-expensive
Access for a stakeholder	Ensured	Based on agreements	Reservations possible
Access of any researcher	Based on approvals	VO members	Immediate
Control	No root control Software installations at request	No root control Software installation based on agreements in VOs	[restricted] Root control Software installation as needed
Port applications	Need to take care of scalability	Dependability on the software/services available	IaaS – no changes PaaS - rewrite



Costs

- **Evident costs:**
 - Bill for the equipments
 - Bill for maintenance & electricity
 - Bill for personnel
- **Included all?**
 - Effort to port the applications
 - Human effort to gather the support funds
 - Attract user, visibility achievement