

EGEE 3rd parties Advanced Induction Course, Athens 20-21/01/05

HellasGrid node hosting requirements & SLA



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Contents of this session



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HellasGrid node locations



- K1: Demokritos (HG node + Tape library)
- K2: NTUA (HG node)
- K3: IASA (HG node)
- K4: CTI Patras (HG node)
- K5: AUTH Salonica (HG node + Access Grid)
- K6: FORTH Heraklion (HG node + Access Grid)
- K7: GRNET (Access Grid)
- K8: GSRT (Access Grid)

Equipment distribution



		Quantity per node								
Item No.	Description	K1	К2	К3	K4	К5	К6	K7	К8	Total
SECTION 1										
1	Servers	64	48	48	64	64	64			352
1α	of which storage servers	4	4	4	4	4	4			24
2	Storage arrays	1	1	1	1	1	1			6
3	Routers		1	1	1	1	1			5
4 SECTION 2	GbE switch ports	108	108	108	144	144	144			756
5	Tape library	1								1
6	Client software	1	1	1	1	1	1			6
SECTION 3										
7	Servers					2	2	2	2	8
8	Display screens					2	2	2	2	8
9	Audio subsystems					1	1	1	1	4
10	Cameras					3	3	3	3	12

HG node requirements



Physical requirements

- 12 m² free space
- Floor or ceiling cabling rails
- Physical security (lock, alarm)
- Controlled access (security staff 24x7)

Power requirements

- 40KVA (220V) power capacity with mains circuit breaker
- Preferably 380V mains, to reduce phase irregularities. Separate circuit breaker for each phase
- UPS 40 KVA 10 min. by pass switch
- Generator support with automatic control
- 12 circuits for 220V sockets 16A circuit breaker each
- 10 sockets at 220V for temporary usage

HG node requirements – cont'd



A/C

- 100.000 BTU estimated capacity
- 22° average temperature
- 50% average humidity
- Alarm capabilities should be carefully watched

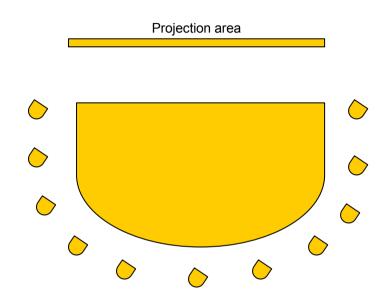
Network

- 1 Gbps connection to GRNET
- Shared with the connection of the institution
- Sufficient coverage of these points is a PREREQUISITE for the installation. There is no way that these can be ignored or passed by. Relevant mention in the HellasGrid contract.

Access Grid node requirements



- Meeting room for 10-15 people
- 10 sockets at 220V
- 3 RJ-45 network sockets or local hub/switch
- Preferably (not strictly required but would enhance the quality of communications):
 - Elongated "U" layout
 - Sound insulation Quiet !!!
 - No natural lighting
 - "Warm" lights 3600° K white temperature



Time schedules



Confirmation of infrastructure availability: 31/1/2005

Qualification by GRNET: 31/3/2005

Contract signing: 10/4/2005

Installation of hardware (estimated): 10/7/2005

Thank you for your attention



- Draft contract will be circulated by GRNET
- Comments ?
- Discussion....