

D1. ENVRIplus Service Testbed based on EGI Cloud Compute

The attributes marked with a * are confidential and should not be disclosed outside the service provider.

Service overview																									
Service name	ENVRIplus Service Testbed based on EGI Cloud Compute																								
Service area	Compute, storage																								
Service phase	Production: service available in the live environment meeting security/performance requirements																								
Service description	The provision of ENVRIplus service testbed corresponds to Reference Model Technology Viewpoint, that provide a real-world configuration to support testing and validation of ENVRIplus services																								
Customer group	<ul style="list-style-type: none">• ENVRIplus RI research communities• ENVRIplus individual researchers• ENVRIplus Service Providers• ENVRIplus related SME/Industry																								
User group																									
Value																									
Tagline																									
Features	<ul style="list-style-type: none">• Execute compute- and data-intensive workloads (both batch and interactive)• Host long-running services (e.g. web servers, databases or applications servers)• Create disposable testing and development environments• Configure Virtual Machines (VMs) according to requirements<ul style="list-style-type: none">• Resources: CPU, memory, disk• Application environments• Scale infrastructure and manage resources in a flexible way• Integrated monitoring and accounting capabilities																								
Service options	TRL 9 <table><tr><th>Option</th><th>Name</th><th>Description</th><th>Attributes</th><th></th></tr><tr><td>1</td><td></td><td></td><td></td><td></td></tr><tr><td>2</td><td></td><td></td><td></td><td></td></tr><tr><td>3</td><td></td><td></td><td></td><td></td></tr></table>					Option	Name	Description	Attributes		1					2					3				
Option	Name	Description	Attributes																						
1																									
2																									
3																									
Access policies																									
Service management information																									
Service owner *	EGI Foundation																								
Contact (internal) *	Yin Chen, yin.chen@egi.eu																								
Contact (public)	support@egi.eu																								

Request workflow *	<p>The diagram illustrates the request workflow for the EGI Cloud Compute Service. It starts with three main groups: ENVRiplus Individual Researchers, ENVRiplus RIs, and ENVRiplus Service Providers. ENVRiplus Individual Researchers have a 'Need online applications' box, which leads to an 'Application on Demand Service' box. ENVRiplus RIs have a list of needs: 'Have Data/computing intensive solutions?', 'Need online/archive storage?', 'Need computing resources?', 'Need service hosting?', and 'Support distributed users?'. ENVRiplus Service Providers have a 'Need resources (testbed)' box. These needs are then processed through four interfaces: 'Web', 'API', and 'Command Line Interface', all of which lead to the 'EGI Cloud Compute Service (+ Container, HTC, Data and Storage services)'. The 'Application on Demand Service' also leads to the 'EGI Cloud Compute Service'.</p>															
Service request list	fedcloud.egi.eu VO															
Terms of use																
SLA(s)																
Other agreements																
Support unit	<ul style="list-style-type: none">Helpdesk: EGI Helpdesk ticketing systemTraining: https://wiki.egi.eu/wiki/TrainingRequest Service: https://marketplace.egi.eu/cloud-compute/42-general-purpose-vm.html															
User manual	<ul style="list-style-type: none">Online user guide: https://wiki.egi.eu/wiki/Federated_Cloud_user_support															
Service architecture																
Service components	<table><tr><th>#</th><th>Type</th><th>Name</th><th>Description</th><th>TRL [1]</th></tr><tr><td>1</td><td></td><td></td><td></td><td></td></tr><tr><td>2</td><td></td><td></td><td></td><td></td></tr></table>	#	Type	Name	Description	TRL [1]	1					2				
#	Type	Name	Description	TRL [1]												
1																
2																
Finances & resources																
Payment model(s)																
Pricing																
Cost *																
Revenue stream(s) *																
Action required																

[1] Technology Readiness Levels (TRL) are a method of estimating technology maturity of components during the acquisition process. For non-technical components, you can specify "n/a". For technical components, you can select them based on the following definition from the EC:

- **TRL 1** – basic principles observed
- **TRL 2** – technology concept formulated
- **TRL 3** – experimental proof of concept
- **TRL 4** – technology validated in lab
- **TRL 5** – technology validated in relevant environment (industrially relevant environment in the case of key enabling technologies)

- **TRL 6** – technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies)
- **TRL 7** – system prototype demonstration in operational environment
- **TRL 8** – system complete and qualified
- **TRL 9** – actual system proven in operational environment (competitive manufacturing in the case of key enabling technologies)