

New Design

Single site

The screenshot displays the PRAGMA Cloud Testbed services interface. A modal window titled "Search by Criteria" is open, showing search filters and results. Two red circles highlight specific features: circle 1 points to the "Single" button in the "Resources" section, and circle 2 points to the "Sort by: Name" dropdown menu in the results table.

Search by Criteria

Resources

Single **Multi**

CPU (CPUs): Memory (GB):

Duration

Begin: 04-Jan-2018 16:00

End: 04-Jan-2018 17:00

Reservation length: ☐ From begin to end ☐ days hours

* Maximum length: 0 days 1 hours

Others

Additional Network: ☐ None ☒ ENT ☐ IPOP

Image type:

Search result (10):

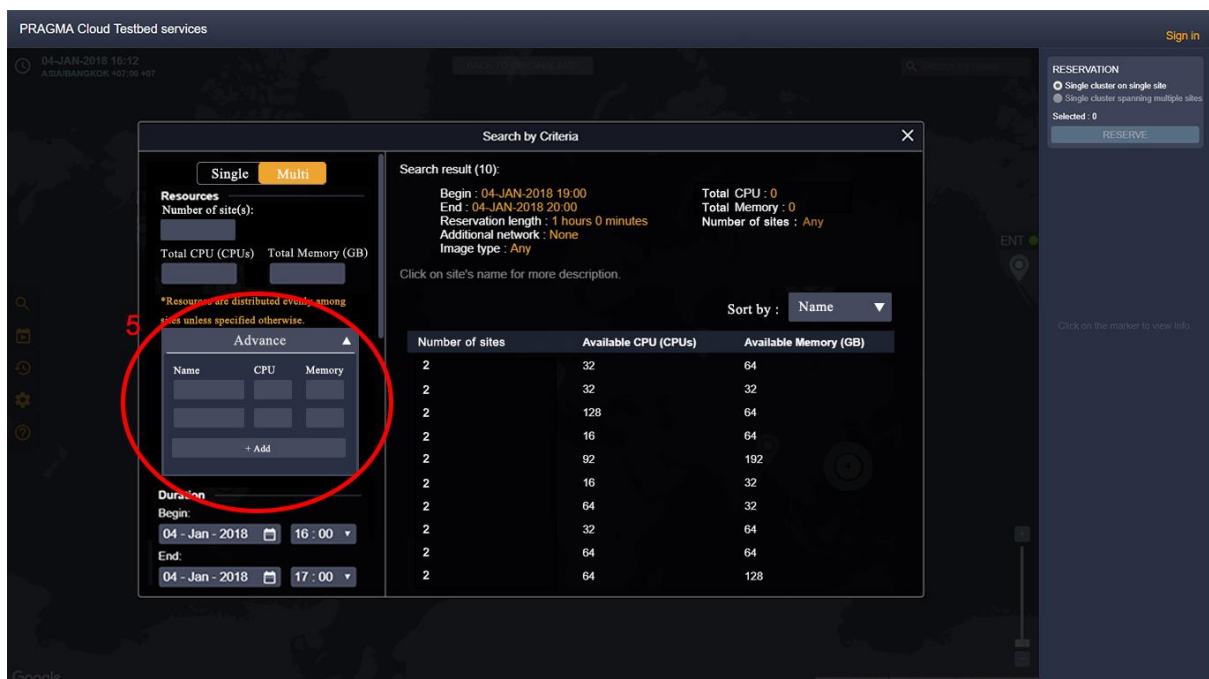
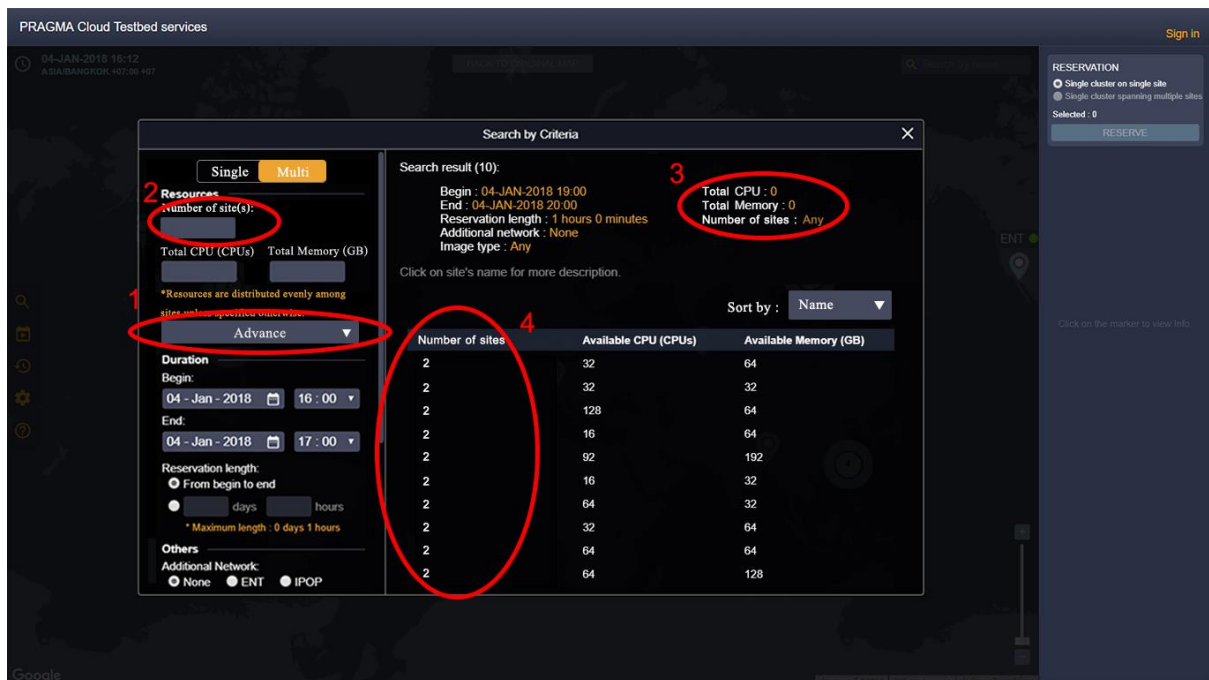
Begin: 04-JAN-2018 19:00 CPU: 0
End: 04-JAN-2018 20:00 Memory: 0
Reservation length: 1 hours 0 minutes
Additional network: None
Image type: Any

Click on site's name for more description.

Name	Available CPU (CPUs)	Available Memory (GB)
AIST Cloud	32	64
B1 cloud	32	32
CC cloud	128	64
Indiana University cloud	16	64
NAIST cloud	92	192
NCHC cloud	16	32
TOS cloud	64	32
TP cloud	32	64
TW cloud	64	64
UCSD cloud	64	128

1. We add button for change mode between single and multi sites.
2. We add dropdown for sort the result by criteria.

Multi sites



1. This is advance of multi sites when you click it will expand and become to number 5 in third image.
2. It is a input for user add number of sites. It can input only number. If it blank it will search only the most less number of site.

3. They are information of multi-sites for user re-check search result.
4. They are the information for number of sites.
5. It is a input for users config multi-site by themselves. Default is 2 sites.

Question

1. How many minimum resource of multi-sites?
2. Must the advance search of multi-sites be name of site or continent?
3. Will The detail of site have only one or more than one CPU speed?
4. Will The result of multi-sites show all case or only case that less site?
5. Will we support in case indivisible resource?
6. What are data that users use for sort result?
7. If we can't find any group of multi-site that match with criteria how can we do?

Example

Site UF(America) AIST(Asia) UF(America) TU

case1

Share Equivalent style. However, if you have enough resources, you will not be able to complete the first case.

Search result for multi-site resources :

Total CPU: 16 Total Memory: 64GB

Begin: 5 Jan 2018 Time:20:00

End: 6 Jan 2018 Time:03:00

Reservation length : 7 hour

Additional network : any

Image type : any

Fri,5-6 Jan 20:00-03:00 7hour ENT CentOS

Site1 : UF CPU: 8 Memory :32GB

Site2 :AIST CPU:8 Memory: 32GB

Fri,5-6 Jan 20:00-03:00 7hour ENT,IPOP CentOS,OpenStack

Site 1: UF CPU:8 Memory :32GB

Site 2: UCSD CPU:8 Memory :32GB

Fri,5-6 Jan 20:00-03:00 7hour ENT CentOS

Site 1: UF CPU:4 Memory :16GB

Site 2: AIST CPU:4 Memory :16GB

Site 3: UCSD CPU:4 Memory :16GB

Site 4: TU CPU:4 Memory :16GB

case 2

Site 1 share smallest resource to Site 2, only to use the Muti-Site system

ratio of CPU to memory is 1: 2.This case is only used for The user wants to use the Muti-site system regardless of the size of the resource.

Search result for multi-site resources :

Total CPU: 16 Total Memory: 64GB

Begin: 5 Jan 2018 Time:20:00

End: 6 jan 2018 Time:03:00

Reservation length: 7 hour

Additional network: any

Image type: any

Fri,5-6 Jan	20:00-03:00	7hour	ENT	CentOS
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Site1 : UF	CPU: 15	Memory :62GB
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Site2 :AIST	CPU:1	Memory: 2GB
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Fri,5-6 Jan	20:00-03:00	7hour	ENT	CentOS
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Site1 : UF	CPU: 1	Memory :2GB
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Site2 :AIST	CPU:15	Memory: 62GB
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Fri,5-6 Jan	20:00-03:00	7hour	ENT	CentOS
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Site 1: UF	CPU:7 CPUs	Memory :30GB
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Site 2: AIST	CPU:7 CPUs	Memory :30GB
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Site 3: UCSD	CPU:2 CPUs	Memory :4GB
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case 3

Search engines are not able to find a site with the features they are looking for, so trying to find sites that are similar to what users are looking for may be used by those users.

Search result for multi-site resources :

Total CPU: 16 Total Memory: 64GB

Begin: 5 Jan 2018 Time:20:00

End: 6 Jan 2018 Time:03:00

Reservation length: 7 hour

Additional network: any

Image type: any

Fri,5-6 Jan 21:00-04:00 7hour ENT CentOS

Site1 : UF CPU: 8 Memory :32GB

Site2 :AIST CPU:8 Memory: 32GB

Fri,5-6 Jan 20:00-03:00 7hour IPOP CentOS,OpenStack

Site 1: UF CPU:8 CPUs Memory :32GB

Site 2: UCSD CPU:8 CPUs Memory :32GB

Fri,6-7 Jan 20:00-03:00 7hour ENT CentOS

Site 1: UF CPU:6 CPUs Memory :28GB

Site 2: AIST CPU:6 CPUs Memory :28GB

Site 3: TU CPU:4 CPUs Memory :8GB