2017

JAIST Cloud Service User's Guide

RESEARCH CENTER FOR ADVANCED COMPUTING INFRASTRUCTURE,

System overview

JAIST Cloud Service is a JAIST web service that makes it easy to create virtual machines. Depending on the function you demand, you can flexibly set performance. In addition, the created virtual machine can be automatically assigned a fixed IP address that can not only access from the campus network, but also can use administrator privileges.

Please do use it.

Table of contents

1.	Login to the system	• • •	p.2
2.	Creating a virtual machine	• • •	p.4
3.	Using created virtual machine	• • •	p.8
4.	SSH connection to virtual machine	• • •	p.10
5.	Change the lease duration	• • •	p.13
6.	Delete Virtual Machine	• • •	p.15
7.	Resurrection of virtual machines	• • •	p.19
8.	About root authority and password	• • •	p.21
9.	Operating the virtual machine with remote console	• • •	p.22

2017.12.13

1. Login to the system

The address of JAIST Cloud Service is as follows. <u>https://vportal.jaist.ac.jp/vcac/org/JAIST/</u>

When you access the system for the first time, the domain selection screen appears. Please select "ad.jaist.ac.jp" and proceed to the next step.

S S Workspace ONE	
Select your domain ad.jaist.ac.jp	
Remember this setting	
Next	
vm ware ⁻	

Figure 1.1 Domain selection screen

Next, enter your user name and password and login. Please enter the same user name and password as JAIST's web service (such as Web-Mail).

Souther State Stat	
password	
ad.jaist.ac.jp	
Sign in	
Forgot password?	
Change to a different domain	
vm ware ⁻	

Figure 1.2 Login screen

When you log in, your homepage will be displayed. Interfaces such as calendar showing virtual machine's loan due date (freely usable expiration date) and virtual machine creation dialog are listed here.

me Catalog Iter	ns Requests Inbo										
ly Open Requests				××	Calendar of Events						X A
Request	ltem	Status	Submitted		Today		4	August 2017	¥		
	No i	tems to display				Mon 31	Aug 1	Wed 2	Thu 3	Fri 4	Sat 5
				More	6	7	8	9	10	11	12
ly Items				X							
Name	Туре	Description	Expire		13	14	15	16	17	18	19
1506534124	Existing Network		7/14/17			11	10	10		10	10
VA-CentOS-00020	Virtual Machine 7/		7/14/17								
BP-CentOS-Users- 41069273	Deployment		7/14/17								
				More	20	21	Today	23	24	25	26
ly Inbox				X							
Item	Туре		Last Updated		27	28	29	30	31	Sep 1	
	No i	tems to display									
				My Recent Request	s					××	
				More	Request	Item		Status		Submitted	

Figure 1.3 JAIST Cloud Service Home Screen

In this system, we guide how to create virtual machines with the concept of "borrowing (hereinafter referred to as" loaning "). In order to get the loan from the virtual machine, after selecting the desired virtual machine type from the "catalog" of the virtual machine, "apply" the loan. The virtual machine you applied and rented out will be displayed as an "item".

You can select the contents of the application, the list of items, browse the catalog of the virtual machine, etc. by selecting it from the tab on the upper left of the screen.

Home	Catalog	Items	Requests	Inbox

Figure 1.4 JAIST Cloud Service Features and Tab Menu

2. Creating a virtual machine

From the tabs on the upper left of the screen, select "Catalog".

	Home	Catalog	Items	Requests	Inbox	
--	------	---------	-------	----------	-------	--

Figure 2.1 JAIST Cloud Service features and tab menu

In the catalog screen, information about virtual machines that can be created is displayed in a list. In the figure below, there is a catalog called "CentOS 7 Desktop", and you can create a virtual machine defined in this catalog. In the catalog name, the name of the virtual machine OS that can be created etc. is displayed, so please refer to it.

The catalogs named as "AWS" is using Amazon Web Service (EC2). Notice that, you don't need to pay the charge of use by yourself. It will be paid by JAIST.

For cost saving, please don't forget to shutdown the machine when it isn't in use.

Clicking on the "application" button in the displayed "CentOS 7 Desktop" will proceed to virtual machine creating label "New application".

AIST 情報社会基礎	盤研究センター Research Center for Advanced Computing Infrastructure	JAIST Cloud Service	Welcome, s1610236.	Preferences He	lp Logo	ut
Home Catalog Items Requests	Inbox					
Service Catalog						
Browse the catalog for services you need.						
SV-Users (1)				Search	9	
CentOS7 Desktop Request						

Figure 2.2 Service catalog list

On the new application screen, you can set the duration and specifications of the virtual machine you want to use.

JAIST : 情報社会基	盤研究センター Reserve Comer for Advanced Compacing Infrastment	JAIST Cloud Service	Welcome, s1610236. Preferences Help Logout
Home Catalog Items Request			
New Request			
	# 🌺 CentOS7 Desktop	Deployment: CentOS7 Desktop	
	 BP-CentOS-7 	General	^
CentOS7 Desktop		Description:	
		Reason for request:	
		Loase days: 7 🐡 (Select 7.38)	
		Deployments: 1 🗘 (Select 1-3)	
		<	~
	Total price: Update		View Price Debits
			Save Submit Cancel

Figure 2.3 New application screen for virtual machine lending

You can set the details by clicking on the item in the list (shown below) in the center of the screen of the new application.

CentOS7 Desktop	
BP-CentOS-7	•
	1.4

Figure 2.4 New application list and items

By clicking the icon, (or with of this item, you can set the description of the virtual machine and the period you want to use. The period you want to use the virtual

machine can be set by "lease days". While using the virtual machine, the lease period can be extended any number of times. However, for one extension request for lease, the maximum number of days for extension is 30 days from the extension application date.

🖌 🐴 CentOS7 Desktop	Dep	oloyment: CentOS	7 Desktop		
BP-CentOS-7	🔶 Ger	noral			
		Description:			
		Reason for request:			
		Lease days:	7 \$	(Select 7-30)	
	1	Deployments:	1 \$	(Select 1-3)	
	<				>
Total price: Update					View Price Deta
					Save Submit Cancel

Figure 2.5 Lease Days Setting Screen

After that, \bigcirc or \bigcirc By clicking the icon of the virtual machine you can set the specifications of the virtual machine.

🔺 🛟 CentOS7 Desktop	vSphere (vCenter) M	achine: BP-CentOS-7	
BP-CentOS-7	General Storage		^
	*Instances:	1 🗘 (Select 1-3)	
	* CPUs:	1 🗘 (Select 1-2)	
	* Memory (MB):	512 🗘 (Select 512-4096)	
	Storage (GB):	50	
	Description:		
	1		
	* InitialRootPassword:		•
		Re-enter value	
			1 -
			~
	<		>
Total price: Update			View Price Details

Figure 2.6 Specification screen of the virtual machine to be lent out

When you use JAIST Private Cloud (Not AWS)., you must set the initial password. In the item called "InitialRootPassword", enter the character string to be used as the initial password. Please note that this password will be asking compulsorily to be changed later, so please set the password to be used only for installation. So do not set it as an important password that you commonly use after installation.

When all settings are completed, please click on the "Send" button at the bottom right of the screen to confirm the entries.

In addition, there is an item "total price" on the screen, the amount may be displayed, but this is only displaying the maintenance cost of the system, please use it for free. Creation and use of virtual machines are free and will not be charged. Please do not worry. If the operation proceeds normally, you can check the processing status on the "Application" screen. The "application" screen can be selected from the tab on the upper left of the screen.

The list shows information on all the virtual machines you applied for creation in the past. The latest application will be displayed at the top.

Once the status of the item displayed in the list is "Succeeded", you can use the virtual machine.

AIST : 情報社会基盤研究センター Research Creater for Advanced Computing Infrastructure				JAIST Cloud Service			Welcome, s1610236.	Preferences Help Logou
Home Catalog	Items Requests	Inbox						
Requests								Filter by State: In Progress 👻
Monitor the status of you	ur requests and view request	details.						
📄 View Details 📔 🗙	Delete							
Request	Item	Description	Price	Estimated Lease Price	Status	Submitter	Submitted -	Last Updated
2326	🍄 CentOS7 Desktop		¥600 / day	¥4,200	In Progress	s1610236@ad.jaist.ac.jp	8/22/17, 11:33 AM	8/22/17, 11:34 AM

Figure 2.7 Application list screen

3. Using created virtual machine

If you select "Item" in the tab on the upper left of the screen, a list of available virtual machines will be displayed.

Deployments Balact an Item type from the menu on the left to view your provisioned items. Use the Actions menu to manage your items. Machines Www Dumbals Www Dumbals Www Dumbals Wave Components. Item Actions -	[5] 情報社会基	:盤研究センター Recent Center for Advanced Co	inguiting Infrastructure JAIS	ST Cloud Service	Welcome, s1610236.	Preferences Help Lo
Deputyments Belact an item type from the menu on the left to view your providenced items. Use the Actions menu to manage your items Name Description Sector Composents #Address Sector Composents #Address Pattern I Description Description Name Description Description Wing Provide Databas Sectors Pattern I Description	e Catalog Items Reque	ats Inbox				
Machines Www.Potratils	Deployments	Machines				Name/Description
Name Description Owner Lizpense Ulueptint Component IP Address Status Platform 1 Lizpense Destroy On Unite		Select an Item type from th	a menu on the left to view your provision	ed Items. Use the Actions menu to m	anage your Items	
	Machines	📄 View Details 📄 View	Parent Details 🛛 😹 View Components 🗍	Actions •		
Q VA.C7 Provisioned b Omman LIIND/ Not Applicable CentOS7 Des BP-CentOS-7 150.65.34.19 On vSphere (vCe 8/29/17, 11:3/ 10/28/17, 11:3/ 20/28/17, 11:3/17, 10/28/17, 10/28/17, 10/28/17, 10/28/17, 10/28/17, 10/28/17, 10/28/		Name Description	Owner Expense (Bluepont	Component IP Address Status	Platform L., Expires	Destroy On Date Great
		O VA-C7 Provisioned to	Omran HIND/ Not Applicable CentOS7 Des	s BP-CentOS-7 150.65.34.19 On	vSphere (vCe 8/29/17, 1	1:3/ 10/28/17, 11: 8/22/17, 1
14 4 Page 1 of 1 P Pi 2						

Figure 3.1 Item list screen

Here, by clicking on the icon (or), you can browse the details of the created virtual machine. You can also manage the power of the virtual machine.

Home Catalog Items Re	quests Inbox	
em Details		
A-C7-0002 A-C7-0003 Intram HDXWI Varian HDXWI Varian HDXWI Varian A Mathine Varian Anthe Serial St Desklop-82343788 A-89 Yeari Serial Serial St Desklop-82343788 A-89 Yeari Serial St Desklop-82343788 A-89 Yeari Serial St Desklop-82343788 A-89 Yeari Serial St Desklop-82343788 A-89 Yeari Serial St Desklop-82343788 A-89 Yeari Serial St Desklop-82343788 A-89 Yeari Yeari Serial St Desklop-82343788 A-89 Yeari Ye	General Storage Network Security Snapshots Name: VA-C7-00002 Component: BP-Cent/06-7 Status: On CPUs: 1 Memory (MB): 512 Storage (GB): 50 Description: Provisioned by VMinare vRA Owner: s1610236@stijuist.nc.jp Blueprint: Cent/037 Desktop Compute resource: vRA Bustness group: BG-Litions	Actions: Connect to Remote Co Connect using SSH Connect using SSH Connect using VMRC Connect using VMRC Connect using VMRC Connect using VMRC Connect using VMRC Connect using VMRC Connect using SSH Power Cytle Power Cytle Power Cytle Power Cytle Reprovision Statewam Statewam Statewam Statewam Connect using VMRC Connect using SSH Connect using SSH Power Cytle Statewam Statewam Connect using VMRC Statewam Connect using SSH Connect using

Figure 3.2 Item Detail Screen

On the right side of the screen there is a menu labeled "Action". Here you can command power management such as shutting down and restarting the virtual machine.

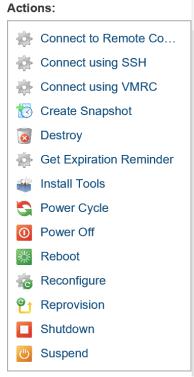


Figure 3.3 List of possible actions

In order to use the virtual machine, SSH connection is required. In order to connect with SSH, it is necessary to know the IP address. On the details screen of the item, you can know the IP address of the virtual machine by clicking the "Network" tab. In this example, it is "150.65.34.19".

General	Storage	Network	Security	Snapshots		
Primary IF	P address:	150.65.34.	19			
Network	adapters:					
		ID 🔺	Network Path		Address	MAC Address
		0	ts_34.0		150.65.34.19	00:50:56:9a:72:cc

Figure 3.4 Network information of the virtual machine

4. SSH connection to virtual machine

Please connect to the IP address of the virtual machine with SSH. (VDI provided by Advanced Computing Research Center: Tera Term can be used in virtual desktop environment.)

VT	Tera Te	erm - [di	sconnecte	ed] VT						-	\times
<u>F</u> ile	<u>E</u> dit	<u>S</u> etup	C <u>o</u> ntrol	Window	<u>H</u> elp						
			Tera Te	rm: New co	nnection				Х		
			ОT	CP/ <u>I</u> P	Host	150.65.34.2			~		
					-	⊡ Hist <u>o</u> ry			_		
					Condens	⊙ Telnet	TCP po	rt#: 22			
					Service.	-			_		
						◉ <u>s</u> sh	SSH <u>v</u> ersion	SSH2	\sim		
						○ Other	Proto <u>c</u> ol:	UNSPEC	~		
									•		
									_		
			0 S	<u>e</u> rial	Port				\sim		
					OK	Cancel	<u>H</u> elp				

Figure 4.1 Tera Term: New connection

When connecting for the first time, the dialog below will appear, click "continue"

ECURITY WARNING	×
There is no entry for the server "150.65.34.15" in your list of known hosts. The machine you have contacted may be a hostile machine pretending to be the server.	n
If you choose to add this machine to the known hosts list and contin then you will not receive this warning again.	ue,
The server's host key fingerprint is: Fingerprint hash algorithm: OMD5 ③ [2]HA256] SHA256: +1vv2St +qSFHVSriUsw8HPEYB0DaTMD6op7XwwgGCAQ	
+[ECDSA 256]+ [E	< >
Add this machine and its key to the known hosts list Continue Disconnect	

Figure 4.2 Tera Term: "SECURITY WARNING" notification dialog upon connecting for the first time

4.1. Virtual Machine of JAIST Private Cloud

The initial username of the virtual machine is "jaist". Please login with the initial user name and the initial password set earlier. Please choose plain text authentication.

SSH Authentication		-	Х
Logging in to 150.65.	34.15		
Authentication require	ed.		
User <u>n</u> ame:	jaist		
Passphrase:	••••		
	Remember password in memory		
	Forward agent		
• Use p <u>l</u> ain passw	ord to log in		
O Use <u>R</u> SA/DSA/E	CDSA/ED25519 key to log in Private key file:		
O Use rhosts to lo	g in (SSH1) Local user name:		
	Host private key file:		
	hosephydre key <u>n</u> er		
O Use challenge/r	esponse to log in(keyboard-interactive)		
OUse Pageant to	log in		
	OK Disconnect		

Figure 4.3 Tera Term "SSH Authentication" dialog

When logging in to the virtual machine you created for the first time, you will be prompted to change your password.

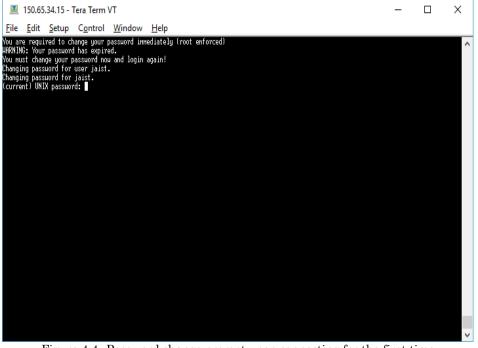


Figure 4.4 Password change prompt upon connecting for the first time

When you set the password, the connection will be closed at once. Please login again. Please use the newly set password to login.

4.2. Virtual Machine of AWS

Digital Certificate is required for SSH connection. Please download the certificate of the virtual machine from Action Menu (Figure 3.2)

Detail of the usage is:

From Windows: http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/putty.html

From Mac OS:

http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/AccessingInstancesLinux.html

5. Changing the lease duration

A virtual machine created by JAIST Cloud Service has a default expiration date. This expiration date is referred to as "lease" of the system and can be up to 30 days. You can change it after the virtual machine is created.

To change the expiration, first access the corresponding item. Select "Items" tab, then click "Deployments" to display the list of virtual machines.

G D Secure Int	tçs:/vportaljaist.ac.jp/vcxc/vrg/1451/4ci							7 🕁
////	会基盤研究センター Result Calago Messel Calagory	Referen	JAIST Cloud Serv	ice	Welcone, s16200	Preferences	Hep	Logod
Cepioyments	Deployments Select an ten type from the meru	ut the left to view you	r provisioned Lems. Use the A	dices menu to mane	çe your items	NateDe	ecciption	9
Vactines	The same beam and same	Tetats to Ven Con	provente 🔮 Actions •					
Vactines	The second second second second							1111
Vactines	Nane	Description - Over	r Eigene (Mt.	Component IP	Address Explies	Destroyed	Date Cit	
Vactines			er Expense (Mo, . Not Applicable	Component IP		Destroyed C 2011/2017 st 4		
Vactines	Nane	1 Å			22/08/2017 10		£ 2546.20	17 18 4)
Vactines	Name CentOST Desition 8058432	1 A 9. A	Not Applicable		2249(2917-18)	£ 2011/2017 184	C 234620	17 18 4) 17 18 4)

Figure 5.1 The tabs menu with the "Items" tab and "Deployments"

When you expand an item its details get listed as shown below.

	stare	JAIST Cloud	Service			Welcome, s	16200 Prefere	nces Help L
ployments							Nar	me/Description
				e your items.				
	Description +	Owner		Component	IP Address	Expires	Destroyed	Date Created
CentO \$7 Desktop-80584023		A	Not Applicable			22/09/2017 10:40	21/11/2017 10:40	23/08/2017 10:40
CentO \$7 Desktop-43621669			Not Applicable			22/09/2017 10:40	21/11/2017 10:40	23/08/2017 10:40
CentO \$7 Desktop-18118768		A	Not Applicable			22/09/2017 10:40	21/11/2017 10:40	23/08/2017 10:40
O VA-C7-00003		A	Not Applicable	BP-CentOS-7	150.65.34.15	22/09/2017 10:40	21/11/2017 10:40	23/08/2017 10:47
1506534124		٨	Not Applicable			22/09/2017 10:40	21/11/2017 10:40	23/08/2017 10:40
	An and a second organize to over polyments can item type from the menu on the Vere Dealer Cento 37 Deatop-4654623 Cento 37 Deatop-4654623 Cento 37 Deatop-465766 Cento 37 Deatop-4521669 Cento 37 Deatop-4521669 Cento 37 Deatop-1611726 Cento 37 Deatop-1611726	A transfer (2 where the second of the s	Action Cento 37 Deaktop-4552165 Cento 37 Deaktop-4551265 Cento 37 Deaktop-455126 Cento 37 Deaktop-455126	A tore (build a blowed flowpare hybertowner) Abox pologioments were Details Were Parent Details Were Components Were Parent Details Were Components Detartplan Detartplan	Action of a Advanced Lowpoort (New Construction of Advanced Components) Section of a Components Were Details Were Details Were Details Were Components Details Detail	A table of A Advanced Concerning Advancement polyon polyon	Control of Addward Company Information Control of Addward Company Information Control of Addward Company Information polyments sployments View Datable View Datable Were Datable Owner Expense (Month ta) Cento 37 Desktop-4654423 A Not Applicable Cento 37 Desktop-452168 A Not Applicable Cento 37 Desktop-452168 A Not Applicable Cento 37 Desktop-452168 A Not Applicable Description A Owner Cantor 37 Desktop-452168 A Not Applicable Description A Not Applicable Description A Owner Description A A Not Applicable Description A Owner Description A Owner Description A A Not Applicable Description A Owner Description B Description B Description A Description B Description B Description B	Control of Addward Company Information Oncold Control of Addward Company Information Net double Site Control of Addward Company Net double Site Control of Co

Figure 5.2 An example "Deployments" list of "Items"

The items displayed in the list are organized as shown below the mark. The virtual machine and the network are displayed under the corresponding item.

Select an item type from the menu on the left to view your provisioned items. Use

View Details 📄 View Parent Details	📓 View Compo	nents 🖗 Actions
Name	Description +	Owner
> 🚯 CentO \$7 Desktop-80584023		A
CentO \$7 Desktop-43621669		A
🖌 🐴 CentO \$7 Desktop-18118768		A
VA-C7-00003		Α
1506534124		A

Figure 5.3 Example of one expanded virtual machine in the "Deployments" list of "Items"

Please click the icon to display the details of the item. You can change the lease by clicking "Change lease" in the "Actions" list on the right of the screen.

👼 🧑 JAIST Cloud Service 🛛 🗙 🔲			- 🗆 ×
← → C ☆ 🔒 Secure https://vpor	tal.jaist.ac.jp/vcac/org/JAIST/#csp.catalog.item.det		771da 🖪 🖥 🛧 🗄
JAIST 情報社会基盤	盤研究センター Research Center for Advanced Computing Infrastructure	JAIST Cloud Service Welcome, s16200 . F	references Help Logout
Home Catalog Items Requests	Inbox		
Item Details			
	Details Properties		Actions:
	Description: .		Change Owner Destroy
CentOS7 Desktop-18118768			S Expire
Owner A			
Provisioned 23/08/2017 10:40			
Type Deployment			
Lease 30 days			
Expires 22/09/2017 10:40			
Expense (Month to date) NA		< Back Next >	
Business Group BG-Users		Close	
Research Center for Advanced Computing Infras	tructure	version	7.3.0 (build 5804410) Contact us

Figure 5.4 "Item Details" screen

6. Removing a virtual machine

Virtual machines that are no longer needed can be deleted regardless of the lease. First, display the list of items and display the list of virtual machines from the "Deployments" list.

U D Setae II	tps://vportaljaist.ac.jp/vcac/org/14/57/Ho						-	
AIST : 情報社	会基盤研究センター Result Cale of Manual Tangeng Requests NDCX	léorain	JAIST Cloud Servic	te we	come, s16200	Preferences	Help	Logoi
Ceptoynarts 2	Deployments Select an ten type from the men	on the left to view yo	ur provisioned Gerns. Use the Act	ors menu to manage your	tens.	NateDe	conption	9
Vactines	Vesi Deute	Teast to Ver Co	rponnte 🔮 Action •					
vactores			in the second second	Component IP Address	Extern	Destroyed	Date Cas	161
vacros	Nane	Description - Our	RL Dideate (Md	And Andrease in Concession				
WICINE	Name > 😵 Cent0 S7 Desktop 8058433		Vol Applicable	Andress in cases		2911/2017 10:40	23/68/201	7184)
vectings		3 4		weighters	22/09/2017 10 4	2011-0367 10-40 2011-0367 10-40		
witting	> 😵 CentO S7 Desiltop 8058433	g 4 g. A	Nol Applicable	vegen (s and	22/09/2017 18 4 22/09/2017 18 4		23/08/201	7 12.40

Figure 6.1 The tabs menu with the "Items" tab and "Deployments"

When you click "Deployments", all of the items are listed as shown below.

								ବ 🖣 🕁
	uctory	JAIST Cloud	Service			Welcome, s	16200 Prefere	nces Help Lo
uests Inbox								
Deployments							Na	me/Description
Select an item type from the menu on th	e left to view your p	rovisioned items. Use	e the Actions menu to manage	e your items.				
📄 View Details 📄 View Parent Deta	ils 🛛 🙀 View Comp	onents 🚯 Action	s .					
Name	Description +	Owner	Expense (Month to	Component	IP Address	Expires	Destroyed	Date Created
CentO \$7 Desktop-80584023		A	Not Applicable			22/09/2017 10:40	21/11/2017 10:40	23/08/2017 10:40
CentO \$7 Desktop-43621669		/	Not Applicable			22/09/2017 10:40	21/11/2017 10:40	23/08/2017 10:40
🖌 🎂 CentO \$7 Deektop-18118768		Α	Not Applicable			22/09/2017 10:40	21/11/2017 10:40	23/08/2017 10:40
VA-C7-00003		A	Not Applicable	BP-CentOS-7	150.65.34.15	22/09/2017 10:40	21/11/2017 10:40	23/08/2017 10:47
1506534124		٨	Not Applicable			22/09/2017 10:40	21/11/2017 10:40	23/08/2017 10:40
-								
	Useds Inbox Deployments Select an item type from the menu on th Wee Details Wee Parent Des Wee Details Wee Parent Des Wee Details Weektop-36584023 © Cent0 37 Desktop-36584023 © Cent0 37 Desktop-36584023 © V4-07-0005 © V4-07-0005							

Figure 6.2 An example "Deployments" list of "Items"

Click on the icon to display the details of the item. You can delete the virtual machine by clicking "Delete" in "Actions" list on the right side of the screen.

👼 🌀 JAIST Cloud Service 🛛 🗙 📃			- 🗆 X
← → C ☆ 🔒 Secure https://vport	al.jaist.ac.jp/vcac/org/JAIST/#csp.catalog.item.detail		771da 📑 🕇 🛧 🚦
3///	研究センター Research Center for Advanced Computing Infrastructure	JAIST Cloud Service Welcome, s16200 . P	references Help Logout
Home Catalog Items Requests	Inbox		
Item Details			
	Details Properties		Actions:
	Description:		Change Lease
			Change Owner Destroy
CentOS7 Desktop-18118768			📸 Expire
Owner			
A			
Provisioned 23/08/2017 10:40			
Type Deployment			
Lease 30 days			
Expires 22/09/2017 10:40			
Expense (Month to date) NA		< Back Next >	
Business Group BG-Users		Close	
Research Center for Advanced Computing Infrast	ructure	version	7.3.0 (build 5604410) Contact us

Figure 6.3 "Item Details" screen

When you click "Destory", the "New Request" for "Destroy" screen is displayed. To request the deletion of the virtual machine, please push the "submit" button to send the request.

👼 🌀 JAIST Cloud Service 🛛 🗙		:	Х
← → C ☆ 🏻 Secure https://vp	ortal.jaist.ac.jp/vcac/org/JAIST/#csp.cata	alog.item.action.request%5BactionId:=f985ec62-d3ae-42e0-9397-0dc7138de6 📴 🍷 🛧	
Home Catalog Items Reques	盤研究センター Research Center for Advanced Computing Infrastru sts Inbox	JAIST Cloud Service Welcome, s16200 . Preferences Help Logout	
New Request			
Destroy Destroys a deployment and all constituent resources.	General Reasons	Deployment: CentOS7 Desktop	
		Save Submit Cancel	
Research Center for Advanced Computing Infr	astructure	version 7.3.0 (build 5604410) Contact us	

Figure 6.4 Request for deletion screen

When the request is sent successfully, a confirmation dialog will be displayed.



Figure 6.5 Deletion request submitting confirmation

You can check the processing status of the requested deletion in the "Requests" screen. Note that processing takes some time. When the deletion of the virtual machine is completed, the status will be "Successful".

JAIST -	情報社会書	Basework Cire	ンター ner for Administ Computing In	Sound countrie of	JAIST Clou	ud Servic	• Welcome,	s16200 . Preter	ences Help	Log
Requests	Items Requi							Filter	by State: All	
	Color requests and view	v request details.								
Request	Hem	Description	Price	Estimated Lease Pr	Status	Submitte		Submitted +	Last Update	
2329	Destroy - CentOS CentOS7 Desktop		Not Applicable 9600 / day	Not Applicable #15.000	In Progress Successful	\$16200	@ad jaist ac jp @ad jaist ac.jp	23/08/2017 11:34	23/08/2017	

Figure 6.6 Example of the "Requests" screen

7. Restoring a virtual machine

After the lease expiration, a virtual machine can be restored within two months.

The restoration of the virtual machine is handled by applying for change of the lease time. First, please expand the item.

	ure https://vportal.jaist.ac.jp/vca			em.list%5BitemMe					ର 🖣 🕁
AIST 情報社	会基盤研究センター Research Center for Advanced Computing Sufrait	nuclear -	JAIST Cloud S	Service			Welcome, s	16200 Prefere	nces Help Loj
forme Catalog Items	Requests Inbox								
Deployments	Deployments							Na	me/Description
	Select an item type from the menu on th	e left to view your p	rovisioned items. Use	the Actions menu to manag	e your items.				
Machines	View Details 🔛 View Parent Deta	iils 🛛 🔣 View Comp	onents 🛞 Actions						
	Name	Description +	Owner	Expense (Month to	Component	IP Address	Expires	Destroyed	Date Created
	CentO \$7 Desktop-80584023		۸	Not Applicable			22/09/2017 10:40	21/11/2017 10:40	23/08/2017 10:40
	CentO \$7 Desktop-43621669		/	Not Applicable			22/09/2017 10:40	21/11/2017 10:40	23/08/2017 10:40
	a 🚯 CentO \$7 Desktop-18118768		A	Not Applicable			22/09/2017 10:40	21/11/2017 10:40	23/08/2017 10:40
	O VA-C7-00003		A	Not Applicable	BP-CentOS-7	150.65.34.15	22/09/2017 10:40	21/11/2017 10:40	23/08/2017 10:47
	1506534124		٨	Not Applicable			22/09/2017 10:40	21/11/2017 10:40	23/08/2017 10:40

Figure 7.1 An example "Deployments" list of "Items"

Next, choose the details of the virtual machine you want to restore, and click "Change Lease" from the "Actions" list. Please set the desired expiration of the lease in the "Change Lease" dialog.

👼 🎯 JAIST Cloud Service 🛛 🗙 💽			- 🗆 X
← → C ☆ 🔒 Secure https://vpor	tal.jaist.ac.jp/vcac/org/JAIST/#csp.catalog.item.d		i771da 🖪 🕇 🛧 🗄
AIST :- 情報社会基盤	盤研究センター Research Center for Advanced Computing Infrastructure	JAIST Cloud Service Welcome, s16200 . F	Preferences Help Logout
Home Catalog Items Requests	: Inbox		
Item Details			
CentOS7 Desktop-18118768	Details Properties Description: .		Actions:
Owner A Provisioned 23/08/2017 10:40			
Type Deployment			
Lease 30 days			
Expires 22/09/2017 10:40			
Expense (Month to date) NA		< Back Next >	
Business Group BG-Users		Close	
Research Center for Advanced Computing Infras	structure	version	7.3.0 (build 5604410) Contact us

Figure 7.2 "Item Details" screen

	Change Lease - CentOS7 Desktop-43621669										
)	Change lease of a deployment and all its component resources.										
	リースの変更										
	有効期限: 24/08/2017 🖸 23:00 🗸 🛇										
	Save Submit Cancel										

Figure 7.3 "Changing Lease" dialog

After requesting the lease change, you can check the processing in the "Requests" screen. When the status changes to "Successful", the virtual machine can be used again.

	☆ Secure https://vportal.jaist.ac.j	p/vcac/org/J/								ቸ 🕁
Home			Computing ExProst-softere	JAI	ST Cloud S	ervice _W	/elcome, s162	00 . Preferen	ces Help	Logou
Reques	sts							Filter by	State: All	÷
Monitor the	e status of your requests and view request details									
View I	Detaila 🗶 Delete									
Request	Item	Description	Price	Estimated Lease	Status	Submitter		Submitted ~	Last Update	d
2331	Kange Lease - CentOS7 Desktop-43621669		Not Applicable	Not Applicable	In Progress	\$162001	@ad jaist ac jp	23/08/2017 11:43	23/08/2017	11:43
2329	Destroy - CentOS7 Desktop-18118768		Not Applicable	Not Applicable	Successful	\$16200	@ad jaist ac jp	23/08/2017 11:34	23/08/2017	11:36
	CentOS7 Desktop		¥600 / day	¥18,000	Successful	s16200	@ad.jaist.ac.jp	23/08/2017 10:40	23/08/2017	10:48
2328										

Figure 7.4 Example of the "Requests" screen

The virtual machine can only be restored within 2 months after the lease. Please note that after 2 months, the virtual machine will be deleted permanently.

8. root privileges and password

For the virtual machines provided by this service, root privilege can be used. To use the root privilege, please use the sudo command.

The root user's password can be changed by using sudo command and passwd command. For details, refer to the example of the command below.

[Example 1]To change "root" password

\$ sudo passwd root

[Example 2] To execute commands that require root privileges

\$ sudo [command]

To update packages using yum \$ sudo yum update

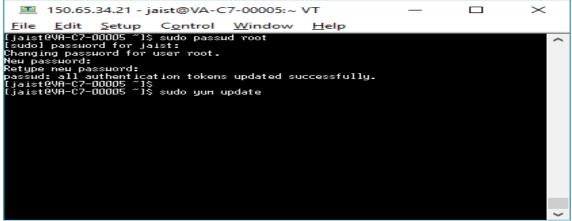
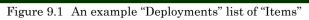


Figure 8.1 Example commands

9. Accessing the virtual machines remotely

To use a remote console, first display details of the item from the "Item Details" screen and click "Connect to Remote Console" from the the "Actions" menu.

⇒ C ☆ 🗎 Sec	cure https://vportal.jaist.ac.jp/vca	ac/org/JAIST/							ର୍ 🖣 🏠
UST : 情報社	会基盤研究センター Research Center For Advanced Computing Infrastr		JAIST Cloud	Service			Welcome.s	16200 . Prefere	nces Help L
me Catalog Items	Requests Inbox								
Deployments	Deployments							Na	me/Description
	Select an item type from the menu on the	ne left to view your p	provisioned items. Use	e the Actions menu to manag	e your items.				
Machines	📄 View Details 📄 View Parent Deta	ills 🛛 🙀 View Comp	onents 🔅 Action	s •					
	Name	Description +	Owner	Expense (Month to	Component	IP Address	Expires	Destroyed	Date Created
	CentO \$7 Desktop-80584023		A	Not Applicable			22/09/2017 10:40	21/11/2017 10:40	23/08/2017 10:40
	CentO \$7 Desktop-43621669		/	Not Applicable			22/09/2017 10:40	21/11/2017 10:40	23/08/2017 10:40
	🖌 🌺 CentO \$7 Desktop-18118768		Α	Not Applicable			22/09/2017 10:40	21/11/2017 10:40	23/08/2017 10:40
	VA-C7-00003		Α	Not Applicable	BP-CentOS-7	150.65.34.15	22/09/2017 10:40	21/11/2017 10:40	23/08/2017 10:47
	1506534124		٨	Not Applicable			22/09/2017 10:40	21/11/2017 10:40	23/08/2017 10:40



👼 🤇 🥱 JAIST Cloud Service 💦	×		- 🗆 ×
	ttps://vportal.jais	st.ac.jp/vcac/org/JAIST/#csp.catalog.item.details%5Bresou	irceld:= Q 🖣 🕁 🚦
AIST : 情報社会基盤	研究センター Research Center for Advance	JAIST Cloud Service Welcome, s16200	Preferences Help Logout
Home Catalog Items Requests	Inbox		
Item Details			
VA-C7-00003 VA-C7-00003 Owner A Provisioned 23/08/2017 10:47 Type Virtual Machine Parent CentOS7 Desktop-18118788 Lease 30 days Expires 22/02/2017 10:40 Expense (Month to date) NA Business Group BG-Users	Component: Status: CPUs; Memory (MB): Storage (GB): Description: Owner:	1 512 50 s1620001@ad.jaist.ac.jp CentOS7 Desktop vRA	Actions: Connect to Remote Co Connect using SSH Connect using VMRC Create Snapshot Create Snapshot Get Expiration Reminder Install Tools Power Cycle Repower Cyf Reconfigure Preprovision Shutdown Suspend
		Close	1
Research Center for Advanced Computing Infrastr	ucture		version 7.3.0 (build 5604410) Contact us

Figure 9.2 "Item Details" screen



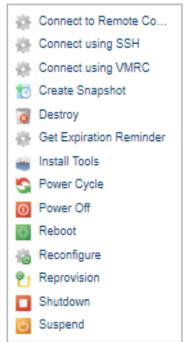


Figure 9.3 "Actions" menu list

When you click "Connect to Remote Console" link, the remote console starts up in a separate tab/window.

Make sure you enable popups for this page to get the new tab/window.

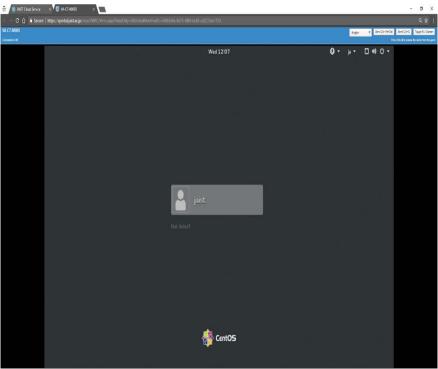


Figure 9.4 Remote console login to the virtual machine

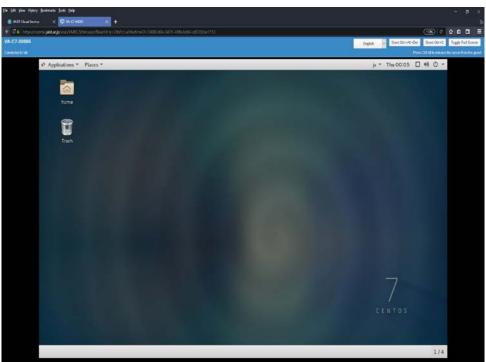


Figure 9.5 Remote console connection to the virtual machine desktop

Login to the remote console of the virtual machine using the username and password made before. After login, the desktop is displayed and can be used just as any normal machine.

When you connect remotely for the first time, a license confirmation screen may be displayed. When you accept the license, the GUI login screen will be displayed, please follow the steps above.

If the desktop is not shown, try changing the browser zooming factor.