GUIログイン



		Management Client	
Connection Resources	Nodes	management Chent	
4 😓 🛨 —		1	
ame	Status		
🕜 linux-ha	with quorum	Version:	2.1.2
✓ Inodes Inode02	running(dc)	Debug Level:	0
	running	UDP Port:	694
♥ ♀ Constraints ♀ Places		Keep Alive:	2
Orders Colocations		Warning Alive:	20
		Dead Time:	30
		Initial Dead Time:	60
		Symmetric Cluster	Stonith Enabled
		Transition Timeout:	20s
		Resource Stickiness:	0
		No Quorum Policy:	stop
		Resource Failure Stickiness:	0
			Apply Reset

クラスタの設定

💁 アプリケーション ア	クション 🥪 🍩 🔊	Ja 🚺 10月10日 (水) 15:50 🔇
•	Linux HA Management Client	
Connection Resources	Nodes	

Name	Status Version:	2.1.2
Vinux-ha	with quorum	
✓ node02	running(dc)	0
🛷 node01	running	co.
Resources	UDP Port:	694
♥ Question Provide the second sec	Keep Alive:	2
Places		
Colocations	Warning Alive:	20
C		20
	Dead Time:	30
	Initial Dead Time:	60
	Symmetric Cluster	Stonith Enabled
	Transition Timeout:	20s
	Resource Stickiness:	1000000 👻
	No Quorum Policy:	ignore 🗸 🗸
	Kesotres Failure Stickiness:	-1000000
onnected to 127.0.0.1	① クラスタの設定を行い Applyボタン押下	Apply Reset
root@node01:/v	ar/lib/ 🔲 root@node01:~ 🛛 📳 root@node02:/var/lib/ 🔛 root@node02:~ 🛛 👫 Linux HA Managen	net



仮想アドレスの追加

🐣 アプリケーション 🤈	7クション 🥪 🎯 🔊	Ja 🚺 10月10日 (水) 15:53 🔇
~	Linux HA Management Client	
Connection Resource	s Nodes	
분교 😓 🛨 🗕		
Name	Status	
🗢 🖋 linux-ha	w 図 リソースIDを指定ve Resource	×
✓	Resource ID: ip01 Belong to group: (type for new one) group01	~
🕜 node01	Type(double click for detail):	
Resources	Name → Class/Provider Description ② IPaddrを選択	*
	IPaddr ocf/heartbeat Manages virtual IPv4 addresses	
Orders	IPaddr2 ocf/heartbeat Manages virtual IPv4 addresses	
Colocations	IPsrcaddr ocf/heartbeat IPsrcaddr resource agent	-
	× ///	
	Parameters:	
	Name Value Description	
	target_role stopped press "Default" or "Start" button in toolbar/menu to start the resource	
	Ip 192,166,201,10 IPV4 address	
	③パラメータを指定 Add Parameter Delete	Parameter
	If belong to a close of master state.	
	Clone Master/Slave Clone or Master/Slave ID:	
	clone_max: clone_node_max:	
	master_max: master_node_max:	
		1714(C)
	④ 追加ボタンを押下 ●	
Connected to 127.0.0.1		
at root@node01.4	rar/lib/ Toot@node01:~ Toot@node02:/var/lib/ Toot@node02:~]	
- Toole Hodeor./	annut a roste noteet.	



PostgreSQLの追加

🐣 アプリケーション アク	ション 🥪 🎯 🛄	Ja 🕕 10月10日 (水) 15:55 🔇
	Linux HA Management Client	= = ×
Connection Resources	Nodes	
분호 😓 🛛 🛨 — 🔇		
Name	Status ID: group01 Type: group	
 ♥ Innux-na ♥ Nodes ♥ node02 ♥ node01 ♥ Resources ♥ group01 ♥ ip01 ♥ Constraints ♥ Places ♥ Orders ♥ Colocations 	Resource ID: pg01 Belong to group: (type for new one) group01 Type(double click for detail): ② pgsqlを選択 Name ✓ Class/Provider Description pand Isb pand pcmcia Isb pcmcia v Cif/heartbeat pgsql resource agent v v v	
	Name Value Description target_role stopped press "Default" or "Start" button in toolbar/menu to start the resource ③パラメータを指定 Add Parameter Deleter If belong to a clone or master/slave: Clone Master/Slave	e Parameter
	clone_max: master_max: ④ 追加ボタンを押下 ● 追加(A) 第 キャ	·ンセル(<u>C</u>)
		Delete Attribute
Connected to 127.0.0.1		Apply Reset
soot@node01:/var/	lib/ 🔳 root@node01:~ 🛛 📕 root@node02:/var/lib/ 🗐 [root@node02:~] 🛛 🖡 Linux HA Managen	net 🗖

PostgreSQL Operationの追加

S アブリケーション 	70932 🥱 😻 🔛		t Client	and the set	774-1977	Ja	10月10日	日 (水) 19	5:59 🕥
Connection Resource	es Nodes		renem						
4a 🍇 🕂 🗕		4.4.1.1							
Name	Status	Curr	ent Running on []]					
V 🔒 linux-ha	with guorum	Attr	butes Parameter	rs Operat	ions				
✓ Modes	with quorum	Nar	ne Description	Interval	Timeout	Start Delay	Disabled R	ole Preree	on Fa
node02	running(dc)	star	t	1	120s				resta
node01	running	sto	0		120s				block
		moi	iitor	30s	30s	0			resta
▽ 🢡 group01	group								
🥪 ip01	not running								
🤤 pg01	not running								
🗢 🤤 Constraints									
💡 Places									
🥪 Orders									
😔 Colocation:	5								
			1 Add Op	oration	۲ <i>b</i>)			
				ミップアッ	ヽ゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚				
			画面表示	• / / / .	/ /				1
						Add	Operation	Delete Op	peration
						Internetion	Apply	R	leset
Connected to 127.0.0.1		() eta	rt/ston/monit	orti	必更				1
root@node01:/	var/lib/ 🗖 root@node01:~	root@node02:/var/ Operat	ionを追加後、	Applyボ	必安 タンを押	자 🖡			1
	Copyright (c) 20	07 NIPPON TELEGRAPH AND	TELEPHONE (CORPOR	ATION				Q

制約 Placesの追加



制約 Placesの追加



10



制約 Placesの追加

Linux HA Management Client Connection Resources Nodes Image	Linux HA Manag connection Resources Nodes ■ ● Inux-ha ♥ Inux-ha ♥ Nodes ♥ node02 ♥ node01 ♥ Resources	Attributes: ID: place02 Score: 50 Resource: group01 Expressions: Attribute Operation Value #uname eq node02
Connection Resources Nodes	Connection Resources Nodes ■ ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	Attributes: ID: place02 Score: 50 Resource: group01 Expressions: Attribute Operation Value #uname eq node02
Iame Staue Image: Staue node02Ltdyte & Places制約6tonde01と 同様に設定。Scoreの値は優先的に立 5上げたい方を大きく。 Image: Staue Nodes Image: Staue node02Ltdyte & Places制約6tonde01と 5上げたい方を大きく。 Image: Staue Nodes Image: Staue Image: Staue Image: Staue	ame Status ♀ linux-ha ✓ ♪ Nodes ☆ node02 ☆ node01 running ▽ ♀ Resources	Attributes: ID: place02 Score: 50 Resource: group01 Expressions: Attribute Operation Value #uname eq node02
Apply Reset	 ♥ group01 group ♥ ip01 not running ♥ pg01 not running ♥ Q Constraints ♥ Places ♥ place01 ♥ place02 ♥ Orders ♥ Colocations 	Add Expression Delete Expr
onnected to 127.0.0.1	nnected to 127.0.0.1	

設定完了

🐣 アプリケーション ア:	クション 🥪 🎯 📓	2			Ja 🕘 10月101	日 (水) 16:02 🔇
 International Internation 		Linux HA Mana	gement Client			-==>
Connection Resources	Nodes					
🎭 🏪 🛨 — 🖣		V 4, 4, 12				
Name	Statue		ID: group0	L Type: group		
🗢 🥪 linux-ha	設定できたら、この	<mark>Dボタンを押下。</mark>	Attributes Param	eters		
🗢 🤣 Nodes			Name Value			
🛷 node02	running(dc)		ordered true			
🛷 node01	running		collocated true			
🗢 💡 Resources						
🔻 🤪 group01	group					
🤤 ip01	not running					
🤤 pg01	not running					
🗢 🤤 Constraints						
🗢 🤪 Places						
💡 place01						
😔 place02						
Orders						
Colocations						
						22
					Add Attribute	Delete Attribute
					Apply	Reset
onnected to 127.0.0.1						
🔹 🛛 🔳 root@node01:/va	r/lib/ 🔲 root@node01:~	📕 root@node02:/var/lib/	[root@node02:~]	🖡 Linux HA Manager	ner	

リソース開始

🐣 アプリケーション アク	フション 🥪 🥸 📓 🛄		Ja 🕘 10月10日	日 (水) 16:03 🔇
	Linux H	A Management Client		×
Connection Resources	Nodes			
분호 😓 🛨 — 🤇		<u>-1</u>		
Name ▽ ঔ linux-ha	Status with quorum ② startボタ	ID: group01 Type: group Attributes Parameters		
🗢 🤣 Nodes	ンを押下でリ	Name Value		
🛷 node02	running(dc)	ordered true		
Node01	running	collocated true		
🗢 🛷 Resources				
🔻 🗸 group01	group			
Ip01	running on ['node01'] <u>1</u> グループの			
✓ pg01	running on ['node01'] ところにカー			
V V Constraints	フルをのわせる			
Places				
place01				
Orders				
Colocations				
			Add Attribute	Delete Attribute
			Apply	Reset
Connected to 127.0.0.1			Lee	
man in the second secon	//ib/ root@node01:	(ar/lib/ Troot@pode02:]	omai	
> 100t@1100e01./Val				



🝓 アプリケーション ア	クション 🥪 🎯 🕻	Ja 🥥 10月10日 (水) 16:08 🔇
		Linux HA Management Client
Connection Resources	Nodes	
분호 😓 🛛 🛨 — 🕐		
Name	Status	ID: group01 Type: group
🗢 🛷 linux-ha	with quorum	Attributes Parameters
🗢 🤣 Nodes		Name Value
node02	running(dc)	ordered true
Þ 🛷 node01	running	collocated true
V 🖉 Resources		
🔻 У group01	group	
✓ ip01	running on ['node01']	
	running on ['node01']	
🗢 🤤 Constraints		root@node01:~
🗢 🤤 Places		ファイル(E) 編集(E) 表示(V) 端末(I) タブ(I) ヘルブ(H)
💡 place01		inet6 addr: fe80::20a:e4ff:fe22:553a/64 Scope:Link
🤤 place02		UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1 RX packets:1422 errors:0 dropped:0 overrups:0 frame:0
💡 Orders		TX packets:1314 errors:0 dropped:0 overruns:0 carrier:0
💡 Colocations		RX bytes: 346165 (338,0 KiB) TX bytes: 313622 (306,2 KiB)
		Base address:0x7000 Memory:d0200000-d0220000
		eth0:0 Link encap:Ethernet HWaddr 00:0A:E4:22:55:3A
		UP BROADCAST RUNNING MULTICAST MTU: 1500 Metric: 1
		Base address: 0x7000 Memory: d0200000-d0220000
		仮想アドレスを落と ncap:Local Loopback
		すことで疑似的に改 ddf:127.0.01 mask:233.0.0.0
		悼を先生させる。 BACK RUNNING MTU:16436 Metric:1 s:1697 errors:0 dropped:0 overruns:0 frame:0
		acket 1697 errors:0 dropped:0 overruns:0 carrier:0
		RX bytes:18581 9 (1,7 MiB) TX bytes:1858139 (1,7 MiB) te
		[root@node01 ~]# ifconfig eth0:0 down
Connected to 127.0.0.1		
🛷 📕 root@node01:/va	r/lib/ 🔲 root@node01:~	💷 root@node02:/var/lib/ 🔤 [root@node02:~] 🛛 🖡 Linux HA Managemer

アフリケーション アク			Ja 😈 10月10日 (永) 16:09 🤇
1		Linux HA Mana	gement Client
onnection Resources	Nodes		
		71 7 12	
ame	Status		ID: group01 Type: group
🛚 🔕 linux-ha	with quorum		Attributes Parameters
🗢 🙆 Nodes			Name Value
node02	running(dc)		ordered true
▷ 😢 node01	running		collocated true
▼ 🛂 group01	group	カ暗た栓知	
1001	failed on ['node01']	取牌で扱い	
✓ pg01	running on ['node01']		root@node01:~
Constraints		ファイル(F)	編集(F) 表示(V) 端末(T) タブ(T) ヘルブ(H)
Places		in	et6 addr: fe80::20a:e4ff:fe22:553a/64 Scope:Link
place01		UP	BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
Orders		TX	packets:1314 errors:0 dropped:0 overruns:0 carrier:0
Colocations		RX	bytes: 346165 (338.0 KiB) TX bytes: 313622 (306.2 KiB)
		Ba	se address:0x7000 Memory:d0200000-d0220000
		eth0:0 Li	nk encap:Ethernet HWaddr 00:0A:E4:22:55:3A
		UP	BROADCAST RUNNING MULTICAST MTU: 1500 Metric: 1
		Ба	se address:0x7000 Memory:d0200000-d0220000
		lo Li	nk encap:Local Loopback et addr:127 0 0 1 Mask:255 0 0 0
		in	et6 addr: ::1/128 Scope:Host
		RX	packets:1697 errors:0 dropped:0 overruns:0 frame:0
		TX	packets:1697 errors:0 dropped:0 overruns:0 carrier:0
		RX	bytes:1858139 (1.7 MiB) TX bytes:1858139 (1.7 MiB)
		[root@node01	_]# ifconfig eth0:0 down
		[[root@node01	

Fフリケーション アク	クション 🌝 🎯 🔛		Ja 🐫 10月10日 (水) 16:)9 🔇
/		Linux HA Manag	ement Client =	0
Connection Resources	Nodes			
Ha 🎭 🛨 — 🤇				
Name	Status		ID: group01 Type: group	
🗸 🔗 linux-ha	with quorum		Attributes Parameters	
🗢 🥜 Nodes			Name Value	
ø node02	running(dc)		ordered true	
🛷 node01	running		collocated true	
arrow of Resources		-		
👻 🕜 group01	group			
Ip01	running on ['node02']			
✓ pg01	running on ['node02']		root@node01/~	×
V V Constraints		ファイル(F)	編集(F) 表示(V) 端末(T) タブ(T) ヘルブ(H)	
Places		inet	6 addr: fe80::20a:e4ff:fe22:553a/64 Scope:Link	*
place02		UP E RX r	3ROADCAST RUNNING MULTICAST MTU:1500 Metric:1 packets:1422 errors:0 dropped:0 overruns:0 frame:0	
Orders		TX p	packets:1314 errors:0 dropped:0 overruns:0 carrier:0	
Colocations		RX t	bytes: 346165 (338.0 KiB) TX bytes: 313622 (306.2 KiB)	
		Dase		
		eth0:0 Lini	encap:Ethernet Hwaddr 00:04:E4:22:55:3A addr:192.168.201.10 Bcast:192.168.201.138 Mask:255.255.255.0	
		UP E Base	3ROADCAST RUNNING MULTICAST MTU:1500 Metric:1 e address:0x7000 Memory:d020000-d0220000	
		lo lin	encan:local loonback	
		inet	addr:127.0.0.1 Mask:255.0.0.0	
		UP L	DOPBACK RUNNING MTU: 16436 Metric: 1	
		TX p	backets:1697 errors:0 dropped:0 overruns:0 frame:0 backets:1697 errors:0 dropped:0 overruns:0 carrier:0	
		col RX t	lisions:0 txqueuelen:0 pytes:1858139 (1.7 MiB) TX bytes:1858139 (1.7 MiB)	
		[root@node01	1# ifconfig.eth0:0.down	te
		[root@node01		-