epati
INFORMATION TECHNOLOGIES

Cluster Settings

Product: Antikor v2 - Layer2 Tunnel Backbone

Guides

Cluster Settings

Cluster is a service that provide working back-up or together for for a similar purpose specific configuration to be done. The Antikor, supports cluster structure as active/passive up to 2 server. Antikor works appropriate with high accessibility cluster structure. So when a problem occur on hardware or software of a cluster's server, antikor automatically switch on the other server. This provides continuity for the network.

Cluster Status

ALAN	AÇIKLAMA
Cluster Status	Indicates server status(master or slave)
Cluster Task	The task set on the Cluster Settings page.
Back-up late	Makes slave server to be switch on.

Field	Description
Cluster Status	Specifies that master or slave. If it's Backup it means Slave server is active.
Cluster Task	The task that is set on the Cluster Settings page.
Master Late	Makes master server to be switch on
Penalty Points	Every switch to the slave server, the penalty points increase. This shows how often master server has problem.

Cluster Settings

Operation Mode ● Standalone   ○ Master   ○ Slave

💾 Save

Field	Description
Download	It allows us to backup the cluster configuration.
Upload	It helps us upload taken back-up cluster configuration.
Standalone	Work standalone.
Master	Working as primary server status.
Slave	Working as back-up secondary server status.

Cluster Settings

Operation Mode ○ Standalone   ● Master   ○ Slave

Pre Shared Key

Address Family ● IPv4 ○ IPv6

Slave IP Address   IPv4

Control Period   0 ms

Master SSH KEY

ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQCndyNpINTWITWO/IwAx6yah23RI6yVk9Ms0XnEH0Cjk3FpMagpqL88LbRtQDjHB87/y1DcalyEuJGNDiYgJUP5Bj1YP5qlAvM9GKElU1Za+W9 XvCkyGaqkWmAaEY2EoUXEDORyh5DfO3IT/fs/0/MtfePQZihVSV9vxLyjhs1RfotMAFo8Fn8QPaJvmIZYo8OGSDPRrU2wIXVjF0m27I3ImB8rhge30UIr9Zo8YswTtACQnCQ36yZ0x7zCMygx30NI31 qDr7X3cr7ibC+fIwzzE9nejBrORjL9O5CmyXIDWf7JzPADh8nAekQJW25FdjfaTmfCsOb+/Zs2sU7zG7b5 root@kurulum.antikor

Interface Name	Master Ethernet Name	Slave Ethernet Name	Cluster IPv4 Addres	Master IPv4 Address	Cluster IPv6 Address	Master IPv6 Address
WAN1	bge1		10.2.1.22/24	IPv4		IPv6
LAN1	bge0		192.168.2.1/24	IPv4		IPv6

💾 Save

Master

Field	Description
Operation Mode	Master
Pre Shared Key	Enter preshared key. Master and slave must be same.
Address Family	Choose address family (IPv4 or IPv6).
Slave IP Address	Enter IP address for slave server.
Control Period	Choose how often check the work server. Master must be little than slave's ms value.
Master SSH Key	This key is used for synchronization between master and slave. The key in this field should be copy to the same field in slave server.
Interface Name	There are interface names assigned to physical ethernet cards.

After Cluster settings completed, firstly changes will be applied on Slave server, After that changes will be applied except cluster synchronization on master server, lastly, all settings will be transferred to slave server by clicking cluster synchronization button.
The changes to be made on the master server will be transferred to the slave server when each changes are applied. When a network, hardware or software problem occurs on master server, slave server will be switched on.

Slave

Field	Description
Operation Mode	Master
Pre Shared Key	Enter pre shared key. Master and slave must be same.
Master IP Address	Enter IP address.
Control Period	Choose how often check the work server. Should be min 50ms.
Master SSH Key	Enter SSH key from Master server.

Field	Description
y IP Address	This property is prepared for slave server to take Antikor updates while master server is working, if there is no WAN IP which is not used. By giving the Proxy IP Address, the slave server will be able to get updated with the proxy through the master server.
Proxy Port	Enter proxy port.
Proxy User Name	Enter Proxy user name.
Proxy User Password	Enter Proxy user password.
Interface Name	There are interface names assigned to physical ethernet cards.
Cluster IPv4 Address	The field that includes Ipv4 adresses. This is the part of that includes common IP adresses
Slave IPv4 Address	The field that includes Ipv4 adresses. Holds ip addresses for accessing to slave server. The IP must be given to LAN and ports it communicates with. Access is provided via IP which is given to LAN. Cluster will be worked with network which on communication.
Cluster IPv6 Address	The field that includes Ipv6 adresses. This is the part of that includes common IP adresses
Slave IPv6 Address	The field in which the Slave IPv6 addresses are located. Holds ip addresses for accessing to slave server. The IP must be given to LAN and ports it communicates with. Accessing SSH or interface is provided via IP which is given to LAN. Cluster will be worked with network which on communication.

LAN IP(IPv4 or IPv6) should be entered for accessing master and slave servers from local network. For accessing externally, IP address should be given from master server's WAN interface's IP block.

Note: Same update version should be installed for both master and slave server.

Cluster Requirements

- Slave antikor, Master Antikor should meet minumum requirements.****
- The Slave Antikor should has Ethernet card, at least number of master's Ethernet card.

- It is recommended that master and slave connected with a media for synchronization

- Ethernet used for synchronization over partner IP address excluding, for master and slave antikor access IP address should be assignment.