The troubleshooting method of the device recognized by iMC as an ICMP ty pe device

Network Management(H3C Intelli	gent Management Center	唐勋 2020-06-23 Publis	shed						
Network Topolog	JY								
The iMC ip addre	The iMC ip address is reachable to the managed device.								
Problem Descrip	tion								
nd other informa									
Resource > 192.168.12	/.1(192.168.127.1)			×					
Device Label Device Status IP Address Mask sysOID Device Model Device Category Device Bridge MAC System Description Maintenance Tag	192.168.127.1 (Modify) Unknown 192.168.127.1 255.255.0 ICMP Desktops (Modify) 00:00:00:00:00 No Maintenance Tag Modify	System Name Contact Location Runtime Last Poll Login Type Interfaces	2020-06-23 11:19:37 None ট(Modify) OInterface List						
Service Monitoring Monitoring Service		Total Items: 0.		Customize					

Process Analysis

1. The management of the device by the iMC is based on the SNMP protocol. The SNMP protocol needs to be enabled on the device, and the correct SNMP reading and reading and writing communit y words must be configured when adding the device to the iMC. Only then can the iMC obtain the device through the SNMP GET message Related information. Therefore, the cause of this problem is that iMC fails to access the device through the SNMP protocol and cannot obtain SNMP information.

2.Ensure that there is no firewall filtering UDP161 and UDP162 packets on the network, and focus on checking the local firewall of the iMC server;

3.Before adding the device, please refer to the iMC version release notes to confirm that the device is within the compatible range of iMC; 4. When adding devices, it is necessary to ensure that the SNMP message interaction is normal;

Solution

1. Turn on the SNMP protocol on the device;

<Agent> system-view

[Agent] snmp-agent sys-info version all

[Agent] snmp-agent community read public

[Agent] snmp-agent community write private

Set to allow sending alarm information to iMC. The community name used is public.

[Agent] snmp-agent trap enable [Agent] snmp-agent target-host trap address udp-domain 1.1.1.2 params securityname public

1.1.1.2 is iMC ip address, you need to replace it with the on-site iMC IP address. The version specifie d in the snmp-agent target-host command must be the same as the SNMP version running on the iM C. Therefore, you need to set the version parameter in the snmp-agent target-host command to v1. O therwise, the NMS cannot receive the alarm information correctly.

2.Configure iMC

Set the SNMP version used by iMC to SNMPv2C, the read-only community name is public and the r ead-write community name is private. In general, please do not modify this parameter on iMC. Expla nation The configuration on the iMC must be consistent with that on the Agent side, otherwise comm unication will not be possible.

Configure the correct SNMP read and SNMP read and write community words when adding devices on iMC;

Resource > 192.168.1	27.1(192.168.12	(7.1)				Add to My Favorite	es ? He
Device Details						Action	
Device Label Device Status IP Address Mask sysOID Device Model Device Gategory Device Bridge MAC System Description Maintenance Tag	e Status Unknown dress 192.168.12 255.255.25 D e Model ICMP e Category Desktops e Bridge MAC 00.00.0000 m Description	∑itodify) System Name Contact 192.168.127.115:8080/imc/res/paratemplate/snmp/select.jsf?beanName=res ⊅ 茶金全 192.168.127.115:8080/imc/res/paratemplate/snmp/select.jsf?beanName=resDe €Edit SNMP Parameters ○Select an Existing Template Parameter Type *	• • × DeviceBe	○ Synchronize ○ Refresh □ Delete □ Teinet □ Open Web Manager □ Ping □ Traceroute ② View Topology ❑ Teinet/SSH Proxy ③ SSH			
Service Monitoring Monitoring Service Recent 10 unrecover]	Read-Only Community String Read-Write Community String Timeout (1-60 seconds) * Retries (1-20) *	4 3 Test OK Ca	⑦ ⑦	nize	Configure Configure Modify Device Label Modify SNMP Settings Modify Teinet Settings Modify NETCONF Settings Modify SSH Settings Modify SOAP/HTTP Settin	
Level Descrip AMajor Device	tion *console48* den	ied access. 2020-06-23 :	11:20:17			Modify PowerShell Settin Modify WMI Settings Modify WMI Settings Modify Poll Interval Modify Poll Parameters Modify Wab Manager Pa	

3.Allow ip and port are reachable from device to iMC in firewall.