

# HCP Database Distributed Deployment

**Operation Guide** 

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**HIKVISION** 

### **1** Solution Introduction

In order to maximize user data security, HCP currently supports heterogeneous deployment of databases, where HCP's central services and plugins are installed on one server, while the other server only installs platform database services. The specific business logic topology is as follows:



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### **2 Installation and Deployment Process**

[Note]: The HCP version used in this article is the baseline version of HCP 2.4.1. Please refer to other versions for instructions.

1) Download the HCP 2.4.1 full installation package on the server that requires the installation of database services

2) Run the HCP 2.4.1 installation package as administrator, unchecks the system management service and control client, and only selects Database Server and Normal mode for installation. The installation path can be customized, and other options are not checked by default.

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系统管理服务	客户端	
流媒体服务	₩ 数据库服	务
安装模式		
● 普通	○ 镜像热备	◎ 共享存储热备
选择数据库安装位置: 所需	空间3GB可用空间443GB	
E:\HikCentral\VSM Servers	\PGData	D
选择数据库排序规则:选择	语言	
简体中文		
选择程序安装位置:所需空	间3GB 可用空间443GB	
E:\HikCentral		D

3) After completing step 2, click on the database whitelist on the watchdog interface of the **database server** to configure it. You need to fill in the IPV4 address of the central server.



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	PostgreSQL	数据库白名	单IP 10.8,115,23			⊘ 已启动	Ē	$\Theta$
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➡ 全部重启			确定	取消				
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		÷.				2. Ple addres	ase enter th s of HCP ser	e ipv4 ver.
运行时间:	1. F	ind database	white list.					
0 天 00:05:27								
								✔ 开机启动

4) Download the HCP 2.4.1 baseline installation package on the HCP central server, install the system management service, client, and select normal installation mode by default.

安装服务 ▼ 系統管理服务	▼ 客户#	12 
流媒体服务		~
安装模式	○ 镜像热备	〇 共享存储热备
选择数据库安装位置:所言	需空间3GB 可用空间175GB	Keep everthing default he
C:\Program Files (x86)\Hi 选择数据库排序规则:选择	ikCentral\VSM Servers\PGData 译语言	<u>It is just a normal</u> installation of HCP
简体中文		
选择程序安装位置:所需:	空间3GB 可用空间175GB	
C:\Program Files (x86)\Hi	ikCentral	

5) Click in the bottom right corner of the watchdog interface of the HCP central server to switch to heterogeneous deployment mode



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服务管理器	服务名称	端口号	状态	操作
HikCentral Professional	System Management Service(SYS)	8686;7664;7662;15310;15443	⊘ 已启动	
	HikCentral Professional Management Service	80;443;18001-18020	⊘ 已启动	$\square$ $\Theta$
⊖ 全部停止	Streaming Gateway	554;16003;16000;16001;6678	❷ 已启动	$\square$ $\Theta$
	3rd Party Device Access Gateway		❷ 已启动	$\square$ $\Theta$
Ĵ 全部重启	Extended Device Access Service		❷ 已启动	$\square$ $\Theta$
				Switch here on HCP server.
运行时间:				
0 天 02:33:45				

6) After completing step 5 above, click on Configure Database Service on the watchdog interface of the **HCP central server** and manually fill in the IP address and database port of the database server.

[Note]: The default port for the database is 5432, which can be obtained from the watchdog on the database server

	🔺 请先配置数据	<mark>库服务管理器,</mark> 否则将无法使用System Management Serv	rice(SYS) 去配置	
服务管理器	⊥ 下载日志 १	💱 配置数据库 📎 关联数据库 🖓 性能监测		
HikCentral Professional	服务名称	配置数据库服务	★ 状态	操作
	> System Manage		⊖ 已停止	<b>D</b> 5
	HikCentral Profe	数据库服务管理器IP	⊘ 已启动	ΞΘ
全部停止	Streaming Gate	10.8.115.37	⊘ 已启动	
◆ 人动垂白	3rd Party Devic	数据库端口	⊘ 已启动	$\Box \Theta$
● 主部里肩	Extended Devic	5452		ĒΘ
		<b>确定</b> 取消	1. Click config service.	ure database
运行时间:			2. Enter the IP of database ser	address and port ver.
0 天 02:37:20				
			× -	开机启动 ᅿ 异机部署



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服务管理器	达 下载日志 🛛 🗟 数据库白名单	忌 创建备份路径 🗠 性能监测	🗟 数据库异常自恢复配置 🕕	
HikCentral Professional	服务名称	端口号	状态	操作
	BeeAgent	9208;8208	❷ 已启动	
⊖ 全部停止	PostgreSQL	5432	❷ 已启动	ĒΘ
う 全部重启	This is database se get the port info h	rver and you can ere.		
③ 安全认证 🚹				
运行时间:				
0 天 00:07:07				
				🗹 开机启动

7) Log in to the HCP webpage, click System – Security - Service Component Certificate, find the Certificate between Services in System option, and export the key.

[Note]: There is no need to enter the password of admin to regenerate the key here. If regenerated, it may cause subsequent verification to fail.

٢	HikCentral Professional	<b>↑ ::</b>	Video	Access Control	Visitor	Intelligent Analysis	Attendance	Event and Alarm	Person Accou	unt and Security	/ Devi
Sys		Ē	Service	e Component Ce	ertificate						
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						<ul> <li>Select the con authentication</li> </ul>	rect certificate ac 1.	cording to the server	type for identity		
				Certificate bet	ween Service	es in ••••••			ja Ja	>	
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E	Storage	~		Certificate betw r	veen System	and Export					
	- "			r	ecording se	Digest Algorithn	n Name:				
	j Email	Ť				sha256					
$\oplus$	Security	^				Secret Key Comp	ponent:				
	Transport Protocol					2E995425D0AF4	4F2				
	Service Component Certifica	ite				Secret Key Salt V	/alue:				
	Database Password					2E995425D0AF4	4F2				
						Security Level:					
	Third-Party Integration	~				2					
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<u>\$</u>	Workbench Management										
Ē	Company Information										

8) Import the verification key generated in step 7 above on the database server



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	▲ 服务器未进	<mark>行安全认证,请先进行安全认证,否则</mark> ————————————————————————————————————	む 法 正 常 使 用 。	局: 数据库异常白恢复配置	
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● 王帥は正					
<b>う</b> 全部重启		确定	取消	Enter the k server.	ey from HCP
③ 安全认证 🚺					
运行时间:					
0 天 00:11:55					
					✓ 开机启动

9) Click on Link database service manager **on the HCP server** and fill in the IP address and port of the database management server again. The port here can be obtained from the watchdog interface in the database server, as shown in the screenshot below.

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服务管理器	服务名称		満口号	1		状态		操作	
HikCentral Professional	BeeAgent		9208;8	208		⊘ 已启动			
	PostgreSQL		5432	$\sum$		❷ 已启动			Θ
⊖ 全部停止									
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服务管理器	服务名称		理器		$\times$	状态		操作	
HikCentral Professional	> System Manag	关联前请先从	Veb Client上获取并导	科入认证信息	×	⊘ 已启动			Θ
	HikCentral Prot	数据库服务管理	器IP			⊘ 已启动			Θ
⊖ 全部停止	Streaming Gat	10.8.115.37				⊘ 已启动			Θ
	3rd Party Devic	数据库服务管理	器端口			⊘ 已启动			Θ
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[Note]: Port 9208 is the communication port between HCP and the database of another machine, while port 8208 is the communication port between HCP and the BeeAgent service on the database server.

10) When a green  $\sqrt{\text{appears}}$  in the watchdog interface of the HCP server where the database management server is associated, it indicates that the heterogeneous deployment of the database has been completed and the connection has been successfully established.

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服务管理器	服务名称	端口号	状态	操作
HikCentral Professional	> System Management Service(SYS)	8686;7664;7662;15310;	:15443 🕑 已启动	ΞΘ
	HikCentral Professional Managemen	t Service 80;443;18001-18020	⊘ 已启动	ĒΘ
⊖ 全部停止	Streaming Gateway	554;16008;16000;1600	1;6678 🔗 已启动	ΞΘ
	3rd Party Device Access Gateway		⊘ 已启动	ΞΘ
う 全部重启	Extended Device Access Service		⊘ 已启动	$\Box \Theta$
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