



# HC Database Module

*Datasheet*

Databases are an integral part of business applications. Rather than maintaining a costly in-house infrastructure for databases, buying them as a cloud service is the most preferred way forward. Hosting Controller offers a number of powerful features to ensure excellent management of databases and offering them “as a Service”.



Hosting Controller supports Microsoft SQL Server and MySQL as its database servers. Making use of these underlying technologies, it provides hosting companies and other providers an excellent opportunity, not only to generate associated databases for websites but also to offer them as a service.

# HC Database Module Key Features



Create Databases



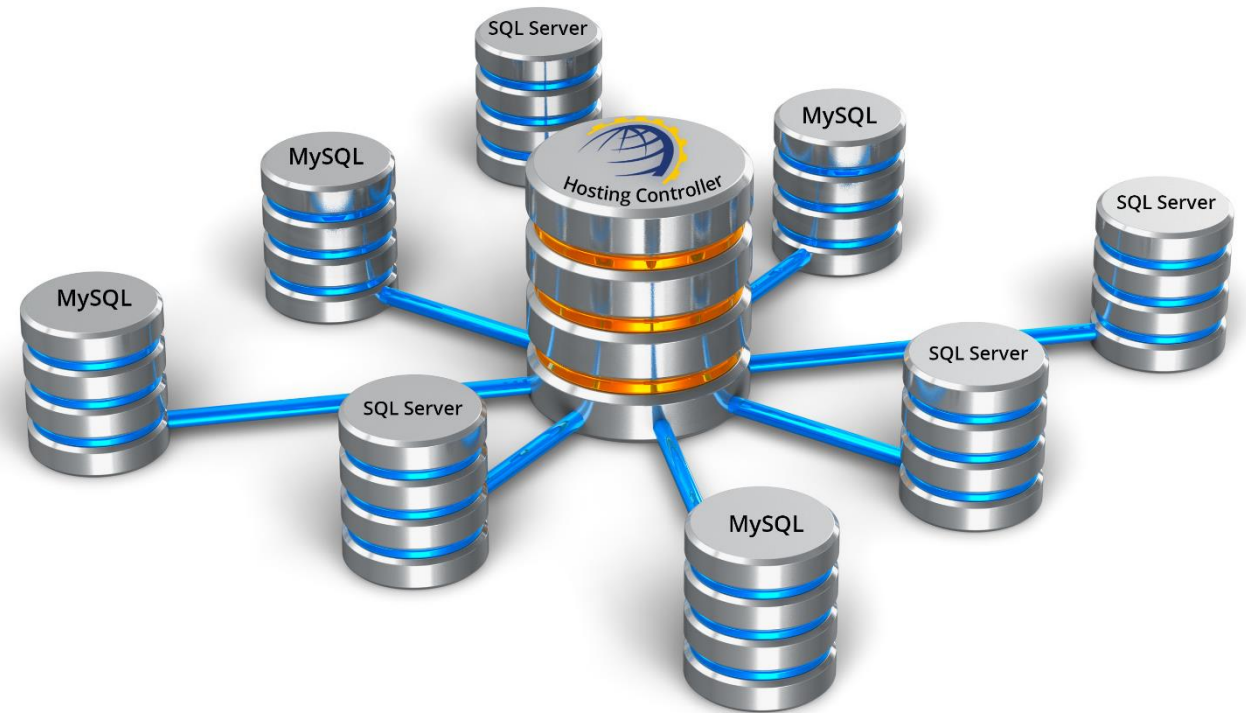
Create Database Users



Backup Databases



Restore Databases

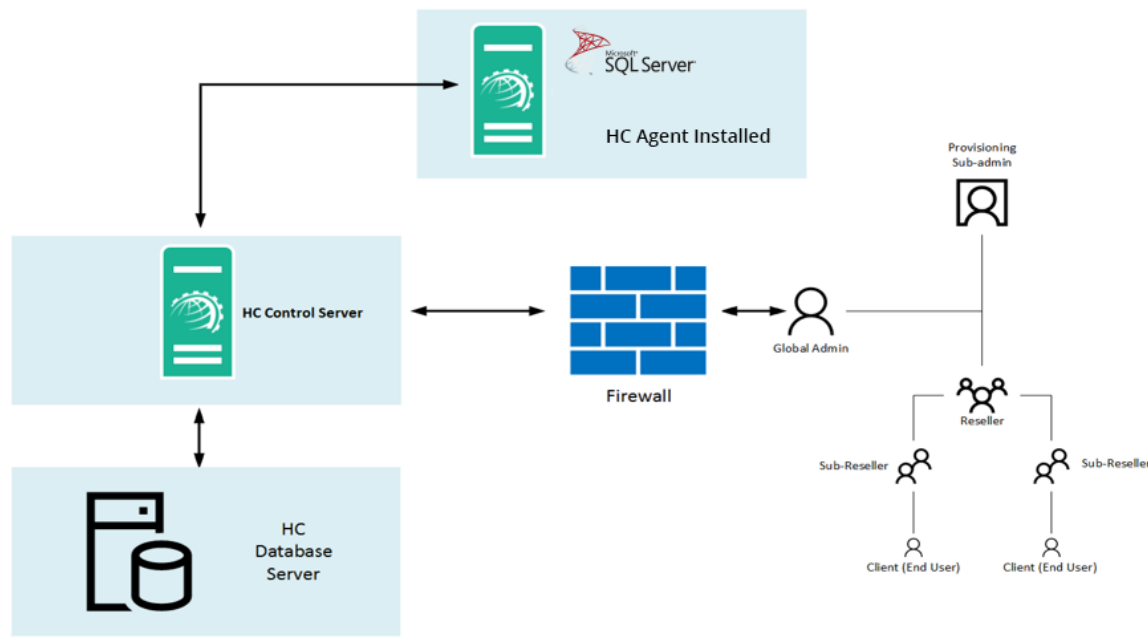


# Detailed Feature Set

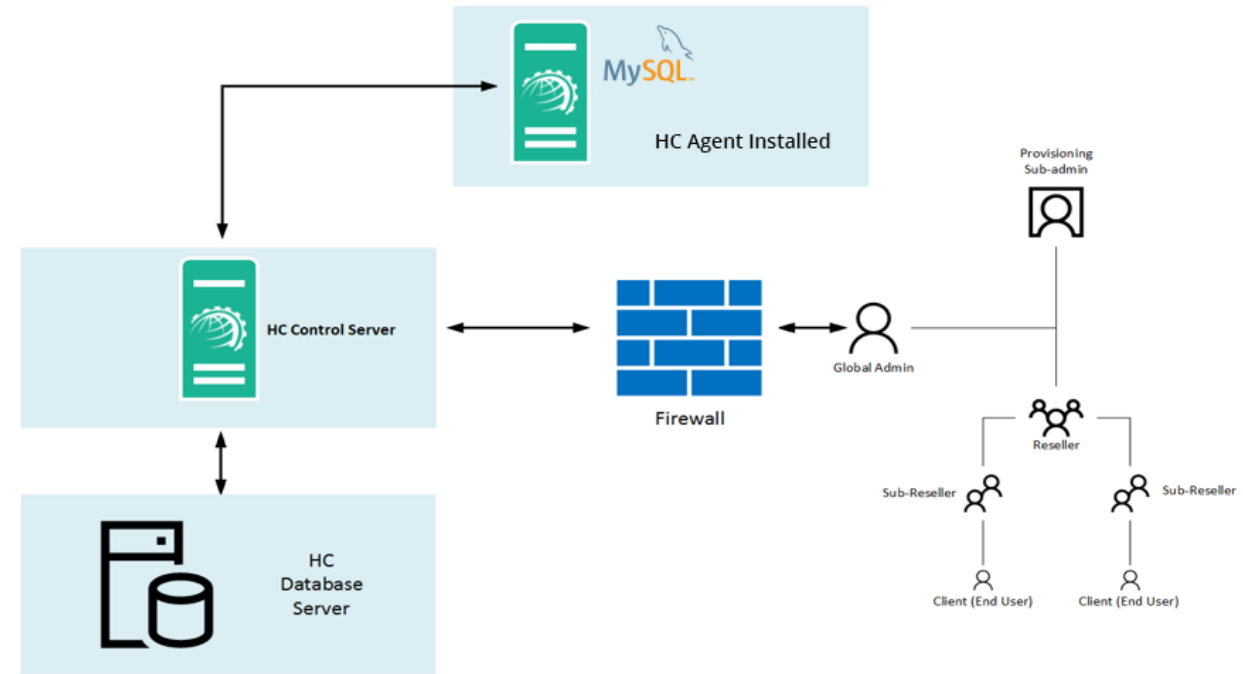
- Create Databases
- Set Database MDF Size
- Set Database LDF Size
- Edit MDF/LDF Sizes
- Create Database Users
- Assign Users to Databases
- Change Database User Passwords
- Edit Databases
- Shrink Databases
- View Tasks Performed on Databases
- View Date and Time of Tasks Performed
- View Status (Completed/Failed) of Tasks Performed
- Backup Databases
- Restore Databases Directly from Local Machine
- Restore Databases from Server
- Delete Databases

# The Environment

# Communication with SQL Server



# Communication with MySQL



# Access Permissions



HC connects with SQL Server using only SQL Authentication. SQL authentication user must have SQL admin (sa) level privileges.





HC connects with MySQL using root user credentials.



# Firewall Ports

Following ports must be accessible on the database servers:

-  Microsoft®  
SQL Server™ 1433
-  MySQL® 3306

**Note:** If you are using custom ports for MySQL and SQL Server, you will need to specify these ports while configuring the database servers in HC.





# Provisioning Database

Open Control Panel  
Login screen

Control Panel Login

example-username

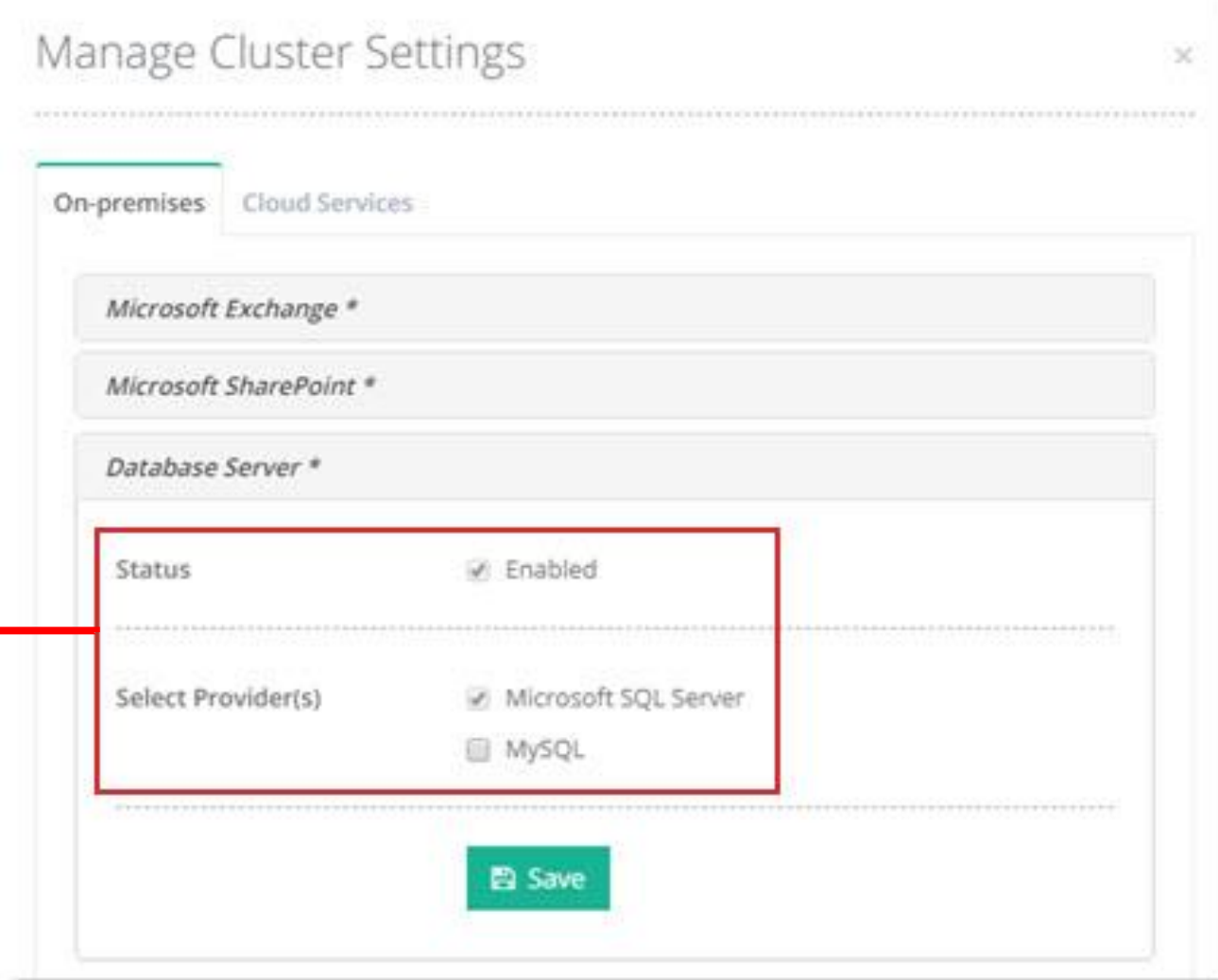
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Forgot your password?

Sign in

Go to <http://YourIP:8797> to log on to HC10 control panel. Specify user credentials and click **Sign in** to proceed.

Enable Database Server globally from Manage Cluster Settings page



The screenshot shows the 'Manage Cluster Settings' window with the 'On-premises' tab selected. Under the 'Database Server \*' section, the 'Status' is set to 'Enabled' and 'Microsoft SQL Server' is selected as the provider. A red box highlights these settings, and a red arrow points from the box to the explanatory text below.

Section	Setting	Value
Microsoft Exchange *		
Microsoft SharePoint *		
Database Server *	Status	<input checked="" type="checkbox"/> Enabled
	Select Provider(s)	<input checked="" type="checkbox"/> Microsoft SQL Server
		<input type="checkbox"/> MySQL
Save		

Go to Cluster Settings >> Database Server to enable database server and select Provider(s) .

From **Manage Servers** page click **Add Server**

### Add SQL Server Instance

Instance Name	<input type="text" value="DEMO-Host"/>
Select Database Path	<input type="text"/> <input type="button" value="Browse"/>
	(e.g. C:\Program Files\Microsoft SQL Server\MSSQL11.SQLEXPRESS\MSSQL\DATA)
SQL Server IP Address	<input type="text" value="138.201.85.98"/>
SQL Server Port	<input type="text" value="1433"/> (Default Port : 1433)
SQL Server Admin User	<input type="text" value="sa-admin"/>
Admin Password	<input type="password" value="....."/> <input type="button" value="🔒"/>
Confirm Password	<input type="password" value="....."/> <input type="button" value="🔒"/>
	<input type="button" value="Verify &amp; Save"/>

Go to **Manage Servers** >> **Add Server** page to add a Database server. Fill out required information to add a SQL instance. **Verify & Save** to proceed.

From **Manage Database** page click **Create Database** to add a database

Manage Databases  
Provisioning / Databases

Search Database by Name

+ Create Database

Showing 1 to 4 of 4 Show 20 Records

Database Name	Owner	Provider	Associated Website	Size (MB)	Connectivity	Server Name	Actions
demorese_db1	demoreseller	SQL Server	marketplace.hostingcontrollerdemo.com	6.88	DEMO-Host:1433	Windows-IIS (138.201.182.98)	Database Users Backup
HC10Host_ab	HC10Host	SQL Server	N/A	0.00	DEMO-Host:1433	Windows-IIS (138.201.182.98)	Database Users Backup
HC10Host_db3	HC10Host	SQL Server	N/A	0.00	DEMO-Host:1433	Windows-IIS (138.201.182.98)	Database Users Backup
onetwotree.com_marketplace	demoreseller	SQL Server	onetwotree.com	0.00	DEMO-Host:1433	Windows-IIS (138.201.182.98)	Database Users Backup

Go to Provisioning >> Databases page to add a new database.

From **Manage Database Users** page view all database users




## Manage Database Users

Provisioning / Databases / **Database Users**



Showing 1 to 3 of 3





Show 20 Records

Database User	Owner	Provider	Connectivity	Server Name	Actions
demorese_us	demoreseller		DEMO-Host:1433	Windows-IIS (138.201.182.98)	<input type="button" value="Edit"/> <input type="button" value="Change Password"/>
HC10Host_ab	HC10Host		DEMO-Host:1433	Windows-IIS (138.201.182.98)	<input type="button" value="Edit"/> <input type="button" value="Change Password"/>
HC10Host_db3	HC10Host		DEMO-Host:1433	Windows-IIS (138.201.182.98)	<input type="button" value="Edit"/> <input type="button" value="Change Password"/>

Go to **Provisioning >> Databases >> Database Users** page to view all database users.

From **Manage Databases** page perform rest of the operations on databases

Showing 1 to 2 of 2    Show 20 Records

Database Name	Owner	Provider	Associated Website	Size (MB)	Connectivity	Actions
demorese_db1	demoreseller		marketplace.hostingcontrollerdemo.com	6.88	DEMO-Host:1433	Database Users Backup 
onetwotree.com_marketplace	demoreseller		onetwotree.com	0.00	DEMO-Host:1433	

- Restore
- Edit
- Shrink
- Actions History
- Test Connectivity
- Delete

# Contact Hosting Controller

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