

Frequently Asked Questions

Oracle NoSQL Database Bring Your Own License to the Oracle Bare Metal Cloud Service

Introduction

Oracle Assists Developers by Simplifying the Installation of Oracle NoSQL Database on the Oracle Bare Metal Cloud. Run Oracle NoSQL Database where you want to, with the license that serves you best.

FAQ for Oracle NoSQL Database Basic Edition

Q: What is being announced ?

A: Oracle NoSQL Database can now be run on the Oracle Bare Metal Cloud. Oracle NoSQL Database is a scalable, distributed NoSQL database, designed to provide highly reliable, flexible and available data management across a configurable set of storage nodes.

It is easy to set up Oracle NoSQL Database and now Oracle is supplying a simple script to assist in the setup. This will assist developers and administrators in installing Oracle NoSQL Database across a set of nodes.

Q: Why would I want to run Oracle NoSQL Database in the Oracle Bare Metal Cloud ?

A: There are a number of advantages to running Oracle NoSQL Database on the Oracle Bare Metal Cloud.

- Test and develop a new application by creating a small, inexpensive instance using virtual machines.
- Deploy an application and scale to Terabytes of data.
- Use Oracle NoSQL Database on the Oracle Bare Metal Cloud as a disaster recovery environment.
- Convenience – Easy procurement, zero hardware admin, industry-leading cloud IaaS.

Q: What does an organization have to purchase to be able to use NoSQL on the BMC ?

A: Oracle recommends that 3 instances be used to ensure an HA environment. Depending on the requirements for latency for the application, an additional node should be purchased in the Oracle Bare Metal Cloud to run the application.

Q: Which Oracle Bare Metal Compute instance should be purchased ?

A: There are a number of choices of instances that are available in the Oracle Bare Metal Cloud.

- DenseIO – this option will be able to store the largest amounts of data.
- HighIO – this option is excellent for moderate sized databases.
- Standard – this option can be used for running Oracle NoSQL Database as long as storage is also purchased.
- Virtual Machines – this option is excellent for testing and development of new Oracle NoSQL Database applications. Performance may be unpredictable due to sharing some of the system resources.
- Details of these configurations can be viewed at:

https://cloud.oracle.com/en_US/bare-metal-compute/bare-metal-instances/features

Q: How many nodes will I need ?

A: This will depend on the eventual size of the database you are expecting to store. Contact Oracle in order to size your system for your expected requirements.

Q: Can I use the Standard instance (BM.Standard1.36) ?

A: This is possible, but storage must also be purchased for this instance. See: https://cloud.oracle.com/en_US/bare-metal/pricing

Q: Do the instances need to be the same for the servers?

A: We recommended that all instances be the same configuration.

Q: Which edition of Oracle NoSQL Database should I use ?

A: Depending on your business requirements, different versions of Oracle NoSQL Database could be used.

- Oracle NoSQL Database Enterprise Edition allows applications to connect to other Oracle products and includes enhanced security. Paid support is available.
- Oracle NoSQL Database Basic Edition is included with an Oracle Database Enterprise Edition license. Support is included with Oracle Database Enterprise Edition support.
- Oracle NoSQL Database Community Edition is open source and support is through a community system.

Q: Once I have purchased my Bare Metal Cloud instances, what do I do next ?

A: A script is available to assist in installing and configuring Oracle NoSQL Database.

Download the Oracle supplied script from [GitHub](#). You need to have the .zip NoSQL file in the same directory. Execute the script and enter the IP addresses when asked.

Q: Where should I run my application ?

A: We suggest that you run the client in the Oracle Bare Metal Cloud for minimum latency and maximum bandwidth between the application and the storage nodes. However, the application can run in an organizations datacenter and connect to Oracle NoSQL Database in the Oracle Bare Metal Cloud through a variety of connection options.

Q: Can I use my Oracle NoSQL Database Enterprise Edition license ?

A: Yes. If your On-Prem Oracle Database Enterprise Edition license is for less than 36 processors, you should consider using the VM option in the Oracle Bare Metal Database Cloud.

Q: What are the minimum and maximum number of instances that should be purchased ?

A: The minimum number of instances to run Oracle NoSQL Database is 1 (Replication Factor = 1) . However, this will limit the redundancy of the database should a component fail. Oracle recommends 3 instances be used for high availability and performance.

There is no maximum number of servers on which to run Oracle NoSQL Database. Oracle NoSQL Database is designed to be horizontally scalable as the number of servers are increased.

Be aware of some of the limitations (<https://docs.us-phoenix-1.oraclecloud.com/Content/General/Concepts/servicelimits.htm>) - which limits to 2 instances per availability domain, by default. Higher amounts can be purchased. Contact Oracle.

Q: How can I move my Oracle NoSQL Database data from my On-Prem installation to the Oracle BMC ?

A: Use the Export utility that is part of the Oracle NoSQL Database, Version 4.2 and later. This will save the Oracle NoSQL Database data in a format that can then be used to Import the data once on the BMCS.

Q: Where can I get more information about Oracle NoSQL Database ?

A: <http://www.oracle.com/technetwork/database/database-technologies/nosqldb/overview/index.html?ssSourceSiteId=ocomen>

Q: Where can I get more information about Oracle Bare Metal Cloud Service ?

A: https://cloud.oracle.com/en_US/bare-metal

Q: Can you summarize the different editions of Oracle NoSQL Database?

A: **Oracle NoSQL Database Basic Edition (BE)** – This version is closed source and any customer that has purchased an Oracle Database Enterprise Edition license is entitled to the Oracle NoSQL Database Basic Edition. Oracle support may be used for any support issues with this product, assuming that Oracle Support for Oracle DBEE has been purchased.

Oracle NoSQL Database Enterprise Edition (EE) – This version is closed source and can be purchased from Oracle. It is priced either on a perpetual license basis (processor-based) or a named user basis. Additionally, support can be purchased.

Oracle NoSQL Database Community Edition (CE) –
This version is open sourced and support is only available





through community forums. CE is free and can be
downloaded from the Oracle OTN NoSQL web page.



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Integrated Cloud Applications & Platform Services

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