Reference Data Management Application (RDMA)

Requirements and Environment



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Document Control

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| Comments: | This document specifies the requirements and environment for the deployment of RDMA product. |

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# RDMA System Requirements

RDMA is developed as a cross platform product, which can be delivered in several different ways. The system requirements depend on the deployment environment.

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| RDMA Requirements | Windows | Linux |
| RAM | 24GB | 8 GB |
| CPU | 4 vCPUs | 2 vCPUs |
| HDD – Application | 10 GB | 10 GB |
| HDD – Database | 80 GB | 80 GB |
| Internet Connection | Required | Required |
| Technology | JDK8 | JDK8 |
| Application Server | Tomcat 8.5 | Tomcat 8.5 |
| Web Server | Apache HTTP | Apache HTTP |
| Admin/Root Access | Yes | Yes |

RDMA can be deployed on a single virtual machine or a cluster of virtual machines as a distributed system, with high availability enabled.

# Understanding the environment

Please answer the following questions. Please ***tick/circle*** all options that apply. None of the questions are mandatory.

1. What is the preferred operating system family for RDMA deployment?
   1. Microsoft Windows
   2. Linux
      1. Red Hat Enterprise Linux
      2. CentOS
      3. Ubuntu
      4. Other (Please specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   3. Client Solutions to recommend
2. Is a VPN connection required to access the RDMA VM (Virtual Machine)?
   1. Yes
      1. Details: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. No
3. What are the connection details of the VM available for RDMA deployment?
   1. IP Address/Hostname: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. Username: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   3. Password: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   4. Access mechanism:
      1. Remote Desktop (RDP)
      2. Secure Shell (SSH)
4. Will RDMA be accessed via DNS?
   1. Yes
   2. No
5. Is a certificate available for the DNS/VM?
   1. Yes
   2. No
6. Is RDMA Metadata database expected to be deployed as part of the installation process?
   1. Yes
   2. No
7. Is database server already available separate to the VM used for RDMA?
   1. Yes
   2. No
8. Which of the following is the preferred database server to store RDMA metadata (if applicable)?
   1. PostgreSQL
   2. MariaDB
   3. Microsoft SQL Server
   4. MySQL
   5. Oracle
   6. Other (Please specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. What are the connection details for the RDMA database (if applicable)?
   1. IP Address/Hostname: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. Database Username: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   3. Database Password: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   4. Other authentication mechanism (Please specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. Which of the following user authentication mechanism is preferred?
    1. Corporate Active Directory
    2. Database
       1. RDMA Embedded
       2. External
    3. LDAP
11. What are the connection details for the preferred user authentication mechanism?
    1. IP Address/Hostname: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
    2. Username: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
    3. Password: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
    4. Additional Relevant Information (if any): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. Which of the following database server will be connected with RDMA? Please specify versions if possible.
   1. PostgreSQL
   2. MariaDB
   3. Microsoft SQL Server
   4. MySQL
   5. Oracle
   6. Other (Please specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. What are the preferred credentials for RDMA admin account?
   1. Username: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. Password: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Is GDMA being upgraded as part of this deployment?
   1. Yes
   2. No
4. What are the connection details of GDMA meta data database?
   1. Database Server Type: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. Database IP Address/Hostname: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   3. Database Username: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   4. Database Password: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   5. Other authentication mechanism (Please specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_