BANK OF MALDIVES

REQUEST FOR PROPOSAL (RFP)

For Distributed Clustered Storage Solution

30th September 2020

BANK OF MALDIVES

Introduction

Bank of Maldives Plc, (BML) was inaugurated on 11 November 1982 and is the largest financial institution in the Maldives. BML is a full-service bank engaging across a complete spectrum of personal, SME and corporate financial services. With a nationwide network of 38 branches across all 20 atolls, 58 Self Service Banking Centers, 121 ATMs, over 200 agents and a full suite of Digital Banking Services, Bank of Maldives is committed to supporting individuals, businesses, and communities across the Maldives.

Requirement

Bank of Maldives is seeking a service provider to supply a highly resilient distributed clustered storage solution to meet the enterprise storage requirements. The proposed solution should be a Ceph-based, software-defined storage infrastructure. It should be able to provide unlimited scalability to keep up with the current and future storage demands. Furthermore, the proposed solution should be able to scale over time, without capacity-based increases in software subscriptions.

Technical specifications are provided in the annexure below. Full compliance with the specifications is mandatory to be considered for this RFP.

Evaluation Criteria

Price	80%
Delivery duration	20%

Clarifications

Clarification requests may be submitted via e-mail (see below) before 11:00hrs on 7th October 2020.

Submission of Proposal

All submissions should be e-mailed (see below) before 11:00hrs on 19th October 2020.

Contact Information:

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Annexure

Technical specifications (full compliance is mandatory)

- The solution should be a Ceph-based, software-defined storage infrastructure solution.
- The solution should support object, block, and file-level storage.
- The solution should be a highly resilient storage solution with no single point of failures.
- The solution should have self-healing capabilities with minimum administrator involvement.
- The solution should support high scalability with a distributed storage cluster designed to scale to multiple nodes and multi-hundred terabytes of storage capacity.
- The solution should be easily scalable without reconfiguring the whole architecture.
- The vendor should clearly specify the RAW capacity and the available capacity in the proposed solution.
- The solution should have a minimum usable storage of 500 TB.
- The solution should have a minimum of 60 disk drive capacity on each node.
- The solution should use enterprise-grade disks (annualized failure rate <1%).
- The solution should have a 2+1 erasure code profile for redundancy.
- The solution should have redundant network interface ports not less than 10Gb.
- The solution should support network interfaces of 10G SFP (Cisco compatible).
- The solution should support data transfer speed greater than 3Gb/s.
- The solution should have redundant power supply.
- The vendor should provide the heating, ventilation, and air conditioning (HVAC) requirements of the solution.
- The vendor should provide a minimum of 1-year of warranty for the hardware.
- The vendor should provide support for the provided software and hardware components.
- The solution should be able to integrate with Grafana Dashboards.
- The solution should have a single dashboard to manage all the nodes on the cluster.
- The solution should not be based on proprietary hardware.
- The vendor should provide a project plan from implementation to completion.
- The vendor should provide solution diagrams with all High Availability components defined in the diagram.
- The vendor should provide on-site spare parts (at a minimum: two storage drives, one power supply unit, one SFP, two cables)
- The vendor should provide training for administrative users by certified engineers.
- The vendor should offer an Annual Maintenance Contract and specify the terms.

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