



Commonwealth of Kentucky
Finance and Administration Cabinet

COMMONWEALTH OFFICE OF TECHNOLOGY

101 Cold Harbor Drive
Frankfort, KY 40601
(502) 564-1201
Fax (502) 564-5769

<http://technology.ky.gov/>

Matthew G. Bevin
Governor

William M. Landrum III
Secretary
Finance & Administration Cabinet

Jim Barnhart
Acting – Chief Information Officer

AGENCY CONTACT MEMORANDUM #2016-0901

To: Agency IT Leadership, Technical Contacts
From: Jim Barnhart *JB*
Acting Chief Information Officer
Date: Sept. 16, 2016
Subject: Database Migration to LinuxONE

The Commonwealth Office of Technology has identified a less costly, more efficient alternative to managing a collection of servers that currently require each to be serviced, administered, and licensed separately. The deployment of a resilient, robust, and reliable enterprise Oracle database platform for Executive Branch cabinets and agencies will accomplish the following:

- Cost avoidance, by reducing the number of Oracle licenses required
- Provide advanced security features in accordance with HB5
- Provide data masking to safeguard production data used in non-production environments
- Enhance disaster recovery by providing capacity on-demand capability at the Alternate Data Center, ensuring business continuity for mission critical applications

Moving several top priority databases to a single dedicated Enterprise Linux Server and centralizing the database infrastructure will also provide the commonwealth an opportunity to address a wide range of challenges. These include aging hardware, redundant physical servers, redundant platforms for Oracle, inefficient use of servers, allocated and unused resources, and non-compliance with license agreements.

Beginning November 1st, database migration will begin with a phased approach to move Oracle databases from all existing platforms to LinuxONE. During the initial phase, non-production databases (regardless of current platform), will be moved to LinuxONE followed by production databases. In collaboration with the COT Project Manager, agencies will be responsible for developing their plan for application testing with the new LinuxONE platform.

To avoid unnecessary and costly expenditures, the Commonwealth must complete the migration to LinxONE by August 31, 2017. Agencies not completed by this date may incur a license cost in order to remain compliant.

Should you have any questions or need additional information, please contact your [COT Business Relationship Manager](#).