

I.1: Commissioning of “e-Office” setup at RRCAT

DAE has mandated usage of “e-Office” solution for efficient collaboration among various stake holders in units of DAE. To comply with the mandate, “e-Office-Lite”, “A Digital Work Place Solution” software system developed by National Informatics Center (NIC), India has been commissioned.

The complete “e-Office” suite comprises of six modules namely: EFILE, MIS, PIMS, MDM, KMS and WAW portal, catering to various requirements of e-governance. In the first phase necessary setup for enabling “eFile lite” module has been commissioned. “eFile lite” is a workflow-based system that extends the features of existing manual handling of files in addition to more efficient electronic system.

The system comprises of different sub-modules that are interlinked to manage official workflow of entire life cycle of a document/DAK from the moment it is received by the organization till the time it is disposed off with proper set of actions. It involves all stages of working in a file, including the scanning, electronic diarization, file creation, noting creation, digital signing on noting and drafts, dispatch, faster processing and movement of files and receipts, closing of files and receipts, and finally archival of records.

The need for 24 x 7 operation of “e-Office” solution necessitated setup to be commissioned in disaster recovery (DR) mode. To facilitate DR mode operations, two set of servers have been commissioned at Data Center Hall in IT-Building-A (DCH-A) and one server has been commissioned at Data Center Hall in IT-Building-B (DCH-B). Figure I.1.1 shows the logical layout of the complete setup of “e-Office”.

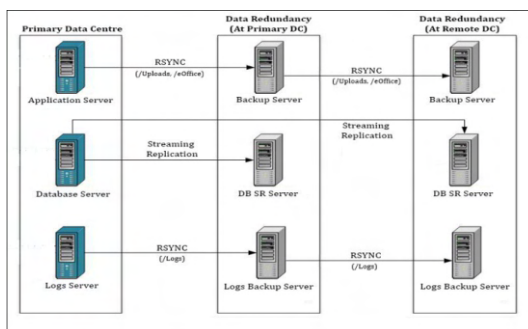


Fig. I.1.1: Logical layout of redundant setup of e-Office servers at DCH-A and DCH-B.

Complete setup of the “e-Office” solution comprises of three physical servers with virtualization of different services running on each server. Each server has 2.4 GHz processor with 12 cores, 128 GB RAM, 1 TB solid state drive (SSD), 12 TB hard disk drive (HDD), 2x10 Gbps, 2x1 Gbps network connectivity. Two numbers of 960 GB SSD have been configured in level 1 of redundant array of inexpensive disks (RAID-1) and six numbers of 2.2 TB HDD have been configured in RAID-5. Actual photograph of the setup in DCH-A is shown in Figure I.1.2.



Fig. I.1.2: Photograph of e-Office servers commissioned in DCH-A.

For effective collaboration, the “e-Office” solution has been integrated successfully with the existing software services at RRCAT like centralized lightweight directory access protocol (LDAP) authentication, email, short messaging service (SMS), digital signatures, etc., which are developed and operated by RRCAT, as shown in Figure I.1.3.

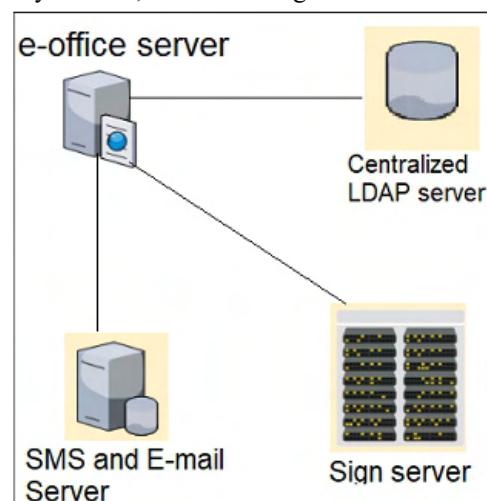


Fig. I.1.2: Block diagram showing integration of e-office with various software services of RRCAT.

Commissioning of e-Office setup at RRCAT will help in achieving simplified, responsive, effective and transparent working in various departments of the organization. Contributions of NIC officials and colleagues from other divisions of RRCAT who have worked along with Computer Division in commissioning of the e-Office setup at RRCAT are acknowledged.

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