

**Government of India
Ministry of Electronics & Information Technology
National Informatics Centre**

Capability Building Programme (CBP) on eOffice for System Administrators

Objectives of the programme –

1. Able to comprehend all the aspects of the eOffice Applications deployment and configuration.
2. Have knowledge to manage eOffice database.
3. Can setup, configure, customize and manage eOffice portal.

Eligibility / Pre-requisites –

1. Should be the officials from locations where servers are hosted locally.
2. Should have knowledge of LINUX.
3. Should have knowledge of Database concepts.
4. Should have understanding of functionalities of Web and Application Servers.

Desirable: Knowledge of virtualization (Cloud).

Agenda –

Period : Three (3) working days

Time : 09:30 am to 05.30 pm

Day 1	09.30 am to 10.30 am	10.30 am to 11.00 am	11.00 am to 11.15 am	11.15 am to 02.00 pm
	<ul style="list-style-type: none"> • Introductory address • About eOffice • Roles & responsibilities 	<ul style="list-style-type: none"> • Deployment checklist 	Tea Break	<ul style="list-style-type: none"> • Architectural overview • Prerequisites of eOffice installation (OS, YUM, SAN, Activation Key etc.) • About PostgreSQL • PostgreSQL Latest release
	03.00 pm to 04.00 pm		04.00 pm to 04.15 pm	04.15 pm to 05.30 pm
	<ul style="list-style-type: none"> • DB Configuration and Settings • DB Mount Point • Database Installation • DB Crons and Scripts 		Tea Break	<ul style="list-style-type: none"> • DB Administration & Monitoring • Backup & Restore • PostgreSQL Graphical Tool-PG Admin • PostgreSQL: Health and Stats Check up • Interactive Session • Review – Day1

Day 2	09.00 am to 10.30 am	10.30 am to 11.00 am	11.00 am to 11.15 am	11.15 am to 02.00 pm
	<ul style="list-style-type: none"> • Discussion on Review – Day1 • PostgreSQL Streaming Replication • PostgreSQL Logical Replication • Hands-on: eOffice Installation with SR setup 		Tea Break	<ul style="list-style-type: none"> • eOffice Mount Point • Apache HTTPD: Configuration, monitoring and troubleshooting • PHP-FPM: High Performance PHP on apache httpd
	03.00 pm to 04.00 pm		4.00 pm to 04.15	04.15 pm to 5.30 pm
	<ul style="list-style-type: none"> • Apache Tomcat: Configuration, Monitoring and Troubleshooting • Portal(PHP/CAS):Configuration, Monitoring and Trouble Shooting 		Tea Break	<ul style="list-style-type: none"> • LDAP Authentication: Configuration, monitoring and troubleshooting • eOffice Crons & Start up scripts • eOffice setup & configuration checklist (OS & app s/w tuning, NTP, etc.) • Review – Day2

Day 3	09.30 am to 11.00 am		11.00 am to 11.15 am	11.15 am to 02.00 pm
	<ul style="list-style-type: none"> • Discussion on Review – Day2 • Local CRL Setup • WAR upgrade activity & DB script execution • Monitoring Script 		Tea Break	<ul style="list-style-type: none"> • Hands-on – Verifying installed setup, crons setting & WAR update
	03.00pm to 04.00 pm		04.00 pm to 04.15 pm	04.15 pm to 05.30 pm
	<ul style="list-style-type: none"> • Interactive Session • SSL Generation and Configuration • Alerts Services Configuration • Basic troubleshooting checklist • Review – Day3 		Tea Break	<ul style="list-style-type: none"> • Discussion on Review – Day3 • Backups • Concluding session

Note: 02:00 pm to 03:00 pm – Lunch