EUROPEAN INFORMATION TECHNOLOGIES CERTIFICATION INSTITUTE, ASBL.

Brussels, Belgium, European Union

# CERTIFICATE

## Radu Pista

Has successfully completed test requirements of
The European Information Technologies Certification Programme

### EITC/IS/LSA Linux System Administration

**Certification Programme examination result:** 73.33%

**Certification Programme description:**

Introduction: Setting up a Linux Virtual Machine; Linux command-line: introduction to Linux command-line, Linux basic commands, Linux system awareness, Linux text editors; Linux shell features: pipes and redirection, filtering output and searching; Basic Linux sysadmin tasks: package management, Linux file permissions, basic Linux access control, user account management; Linux processes: processes overview, process signals, state, niceness and processes monitoring; Linux filesystem: the /proc filesystem, filesystem and absolute/relative pathnames, filesystem layout overview, filesystem layout continued, Linux file types; Advancing in Linux sysadmin tasks: scheduling tasks with cron, Linux bash shortcuts, introduction to tmux - windows, panes, and sessions over SSH, advancing in tmux - shared sessions, archiving and compression on Linux; Bash scripting: introduction to bash scripting, bash basics, bash variables and quoting, how bash scripts work, arguments in bash scripting, if conditions and testing in bash scripting, bash scripting functions; Advanced sysadmin in Linux: the $PATH variable in bash, the Linux script command - recording shell sessions, Linux shell aliases, basic lsof commands, monitoring Linux systems and services with Monit, advancing in Monit - SSH local forwarding for a web dashboard, service management with systemd, Linux documentation, sublime Text basics, the tee command - watch and log command output, MySQL/MariaDB database backup and restore, MySQL/MariaDB basics, Vim basics, creating a systemd Linux service, Linux inodes explained, deleting Linux system logs, how to tail Linux service logs; Working with systemd on Linux: introduction and unit files, systemctl commands, targets, dependencies and ordering

**Certificate Programme version/revision: EITC/IS/LSAv1r1**

CERTIFICATE ID: **EITC/IS/LSA/FXR25005297**

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