

SOX compliance and audit enablement

Topic	Days	Description
Managing Users	2	Authenticating HP-UX, Solaris and Linux against ActiveDirectory or other LDAP services; mixing local and remote groups; audit and workflow.
Making Changes Audit-Friendly	3	Using subversion in place or with cfengine; using integrity verification tools for reconciliation reports; bastion logging; tools for identifying network changes.

Email Systems

Topic	Days	Description
Linux Mail Stack	2	How to maintain the standard Linux email stack of Postfix and Dovecot including migration from other platforms (such as Exchange or Lotus Notes).
Sendmail	3	How to administer the standard Unix sendmail system, including deciphering sendmail.cf and the m4 macro system. [Free course notes] [Free course overheads]
Reducing SPAM	3	Hands-on implementation and theory for reducing SPAM (UCE) including RBL, RUBLS, milters, SpamAssassin, PGP authentication, SPF, whitelists and Bayesian techniques.

Programming Languages

Topic	Days	Description
Perl	3-5	How to program in Perl, starting with no assumed knowledge of the language. Suitable for somewhat experienced programmers. Tailored version exists for experienced Cobol programmers. Covers basic language constructs, modules, CGI programming, mod_perl and style guidelines.
Perl-DBI	1-2	How to program the Perl database interface. Normally 1 day, 2 days for students with no background knowledge of SQL.
Expect	1	How to automate non-interactive programs using the Tcl/Tk extension expect. [Free course overheads]
Tk	1	Making graphical user interfaces using Tcl/Tk.

HP-UX to Linux Migration

Topic	Days	Description
Userland differences	1	Differences seen by ordinary users who are used to HP-UX when they first work on Linux. Includes ksh and bash differences, changed commands, different paths, extra functionality and graphical user interfaces.
Printing	1	Differences between HP-UX and Linux printing subsystems. Covers how Linux print filters work, ghostscript, gimp tools, and managing printers with CUPS, LPRng and classic lpd.
Linux Operations	3	Covers differences seen by HP-UX system operators when they start supporting Linux. Covers job scheduling, differing limits, boot up, rc scripts and upstart, user management, log file locations, patching and version control on configuration files.
Troubleshooting Linux	3	Troubleshooting on Linux for operators and administrators familiar with Hewlett-Packard's management tools for HP-UX. Covers cpu and memory monitoring, profiling, schedulers, I/O monitoring, managing multiple virtual machines, the out-of-memory killer, performance analysis and shared library differences.
System Administration on Linux	3	Administering Linux systems for experienced HP-UX system administrators. Covers networking, email management, security, sudo, snort, kernel recompilation, hardware management, disk management, network installation, backup and restore.
Architecting Linux-based solutions	1	How to architect Linux-based solutions. Covers the differing philosophies, the seven common prototype solution architectures and how to implement global and distributed storage for them, necessary infrastructure components, backup approaches, performance and capacity planning for migrating from PA-RISC and Itanium, LDAP and authentication, and also covers options and substitutes for HP-UX software.
Migration workshop	2	Part-lecture, part discussion. Works through a customer's HP-UX environment to work out how it could be migrated to Linux as efficiently and seamlessly as possible.

HP OpenView (HP Software)

Topic	Days	Description
Service Activator	3	(In conjunction with HP). Installation and configuration of HP OpenView Service Activator.
DB SPI	1	(In conjunction with HP). Installation and configuration of the Database SPI (Smart Plug-in) for HP Software Operations. Can cover Oracle or MS-SQL or both.
Weblogic SPI	1	(In conjunction with HP). Installation and configuration of the BEA WebLogic SPI (Smart Plug-in) for HP Software Operations.
Tuxedo SPI	1	(In conjunction with HP). Installation and configuration of the BEA Tuxedo SPI (Smart Plug-in) for HP Software Operations.
autolearn	1	How to use the autolearn artificial intelligence package for HP Software Operations to quickly manage large numbers of system.
Migrate to Nagios	3	How to migrate from HP Software Operations to Nagios for systems and network management. No particular pre-requisite knowledge of either product is assumed. Covers strategies, limitations, workarounds and migration plans.

Further Information

Classes are held on-site on customer premises using either customer equipment or IFOST-supplied equipment in Sydney, Melbourne, Canberra, Adelaide and Brisbane. Other locations are possible via videoconference or teleconference.

Coursebooks are provided in PDF format.

Courses are priced the same regardless of the number of students.

For further information, email gregb@ifost.org.au or call Greg Baker on 02 8231 5736.

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