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| 1. | Linux Command Line Interface   * Topics   + Linux commands * Extra Reading   + History of Linux from Wikipedia: [Unix](https://en.wikipedia.org/wiki/Unix), [BSD](https://en.wikipedia.org/wiki/Berkeley_Software_Distribution), [Linux](https://en.wikipedia.org/wiki/Linux), [OS X](https://en.wikipedia.org/wiki/OS_X)   + [Linux Distributions](https://en.wikipedia.org/wiki/List_of_Linux_distributions), [Cent-OS](https://en.wikipedia.org/wiki/CentOS)   + [Command line crash course](http://cli.learncodethehardway.org/book/)   + [Unix tutorial for beginners](http://www.ee.surrey.ac.uk/Teaching/Unix/)   + [Linuxcommand.org](http://linuxcommand.org/) * References  [UNIX and Linux System Administration Handbook](http://www.amazon.in/UNIX-Linux-System-Administration-Handbook/dp/8131761770?tag=googinhydr18418-21&kpid=8131761770&tag=googinkenshoo-21&ascsubtag=4195638b-7b33-4c61-bd2c-b9372c13f673)[Practical Guide to Linux Commands Editor](http://www.amazon.in/gp/product/9332502110/ref=s9_simh_gw_p14_d0_i5?pf_rd_m=A1VBAL9TL5WCBF&pf_rd_s=desktop-1&pf_rd_r=1Q0VQGNF571Q0N7BMCNV&pf_rd_t=36701&pf_rd_p=653407267&pf_rd_i=desktop)  * + [Bash keyboard shortcuts](http://www.howtogeek.com/howto/ubuntu/keyboard-shortcuts-for-bash-command-shell-for-ubuntu-debian-suse-redhat-linux-etc/) |
| 2. | Database and SQL   * Topics   + SQL   + JSON Data * Extra Reading   + [Introduction to RDBMS and SQL](http://philip.greenspun.com/sql/introduction.html)   + [SQL Course 1](http://www.sqlcourse.com/intro.html)   + [SQL Course 2](http://www.sqlcourse2.com/intro2.html)   + [Get started with JSON](http://www.webmonkey.com/2010/02/get_started_with_json/) * References  [SQL W3 Schools](http://www.w3schools.com/sql/)[JSON W3 Schools](http://www.w3schools.com/json/default.asp)  * + [Mozilla Developer Network: JSON Format](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/JSON) |
| 3. | Software Tools for Bahmni implementers   * Topics   + vim   + screen   + GIT   + github   + Libre-Office - Spreadsheets * Extra reading   + [Introduction to GIT - Chapter 1](http://git-scm.com/book/en/v2/Getting-Started-About-Version-Control)   + [GIT Basics - Chapter 2](http://git-scm.com/book/en/v2/Git-Basics-Getting-a-Git-Repository)   + [github](http://git-scm.com/book/en/v2/GitHub-Account-Setup-and-Configuration)   + [Screen Video Tutorial](http://fosswire.com/post/2008/08/video-tutorial-getting-started-with-gnu-screen/) * References   + [vi cheat sheet](http://www.catonmat.net/download/bash-vi-editing-mode-cheat-sheet.pdf)   + [Screen Tutorial](http://www.ibm.com/developerworks/aix/library/au-gnu_screen/) |
| 4. | Introduction to Healthcare Domain and Hospital Management Systems   * Topics   + Domain overview   + Healthcare delivery system - Primary, secondary, tertiary hospitals, Community Health workers   + Details of hospital operations - Clinical workflow, activities, people, functions, departments   + Need and role of IT in Hospital   + HL7, DICOM * Extra reading   + [OpenMRS General Guide](http://en.flossmanuals.net/openmrs-guide/)   + [OpenMRS Developer’s Guide](http://en.flossmanuals.net/openmrs-developers-guide/index/) |
| 5. | All about Bahmni, OpenERP and OpenELIS   * Bahmni Technology Stack * Features walkthrough |
| 6. | Bahmni Implementation Project   * Project phases * For each phase,   + Guidelines   + Checklists   + Deliverables * Background reading   + [Professional Open-source Business Model](https://en.wikipedia.org/wiki/Professional_open_source)   + [Open source everything](http://tom.preston-werner.com/2011/11/22/open-source-everything.html) |

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| 7. | Deep dive into Bahmni configurations   * Registration * Clinical   + Dashboards   + Templates   + Diagnosis   + Orders   + Treatment * IPD   + Bed Management * Reports   + Canned   + Custom * OpenMRS Configurations |
| 8. | System deployment and administration   * System Installation * Master-slave setup * Backup and Restore * Go set up for Release Upgrades |
| 9. | Data import and export   * Concept Import & Export * Patient Data migration * Encounter Data migration. |
| 10. | Training considerations   * End user training * Admin training |