

Information Technology Infrastructure Part 1

AAT Level II Information Systems in Digital Environment (ISD)

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Information Systems in Digital Environment

CHAPTER 02

Information Technology Infrastructure

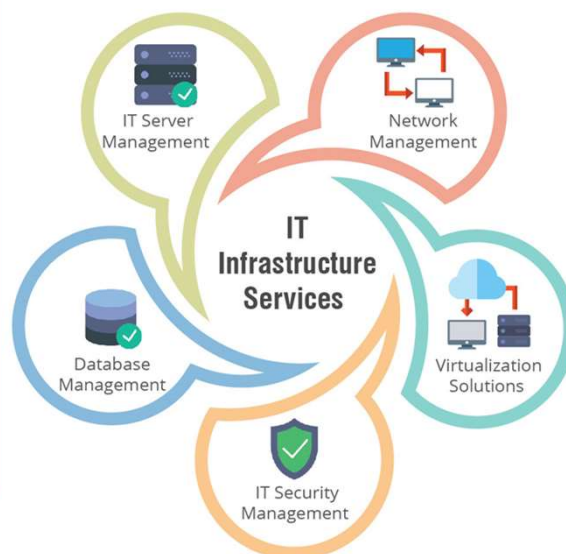
Lecturer



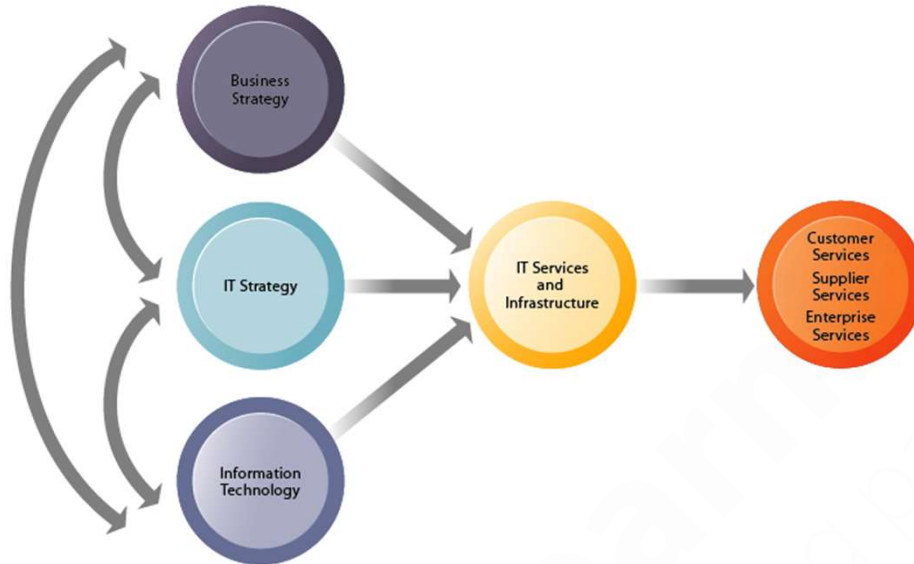
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IT Infrastructure

The term IT infrastructure is as a combined set of hardware, software, networks, facilities, etc. (including all of the information technology related equipment) used to develop, test, deliver, monitor, control, or support IT services



IT Infrastructure



Components of IT Infrastructure

Hardware Platforms	<ul style="list-style-type: none"> • Computers Servers Workstations • Printers Scanners Biometric Readers
Operating System Platforms	<ul style="list-style-type: none"> • Windows Linux Solaris Unix • IOS Android Windows CE
Enterprise Software Applications	<ul style="list-style-type: none"> • Oracle SAP Dynamics • Pronto JD Edwards
Data Management and Storage	<ul style="list-style-type: none"> • MS SQL MY SQL Interbase • SAN NAS
Networking and telecommunication Platform	<ul style="list-style-type: none"> • Routers Switches NICS • Protocols
Internet Platform	<ul style="list-style-type: none"> • DNS Servers Web Servers • ISPs
Consulting and System integration Services	<ul style="list-style-type: none"> • BPO KPO

Evolution of IT Infrastructure

General-Purpose Mainframe and Minicomputer Era: (1959 to Present)

- 1959 – IBM 1401 | 1965 IBM 360
- 1965 DEC Mini Computer

Personal Computer Era: (1981 to Present)

- 1981 IBM's Personal Computer

Client/Server Era: (1982 to Present)

- Server OS and workstation OS

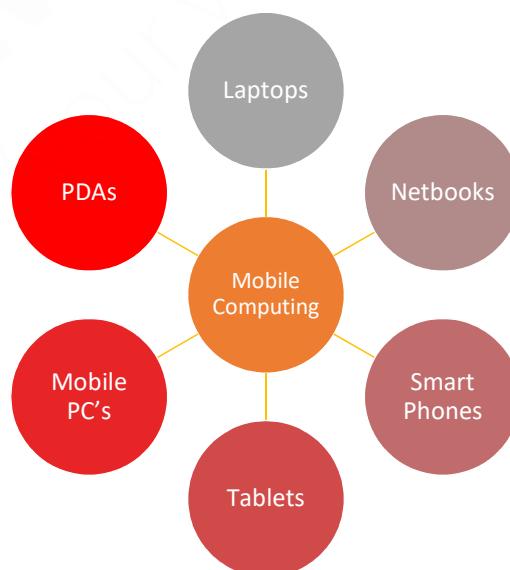
Enterprise Computing Era: (1992 to Present)

- Networking Standards

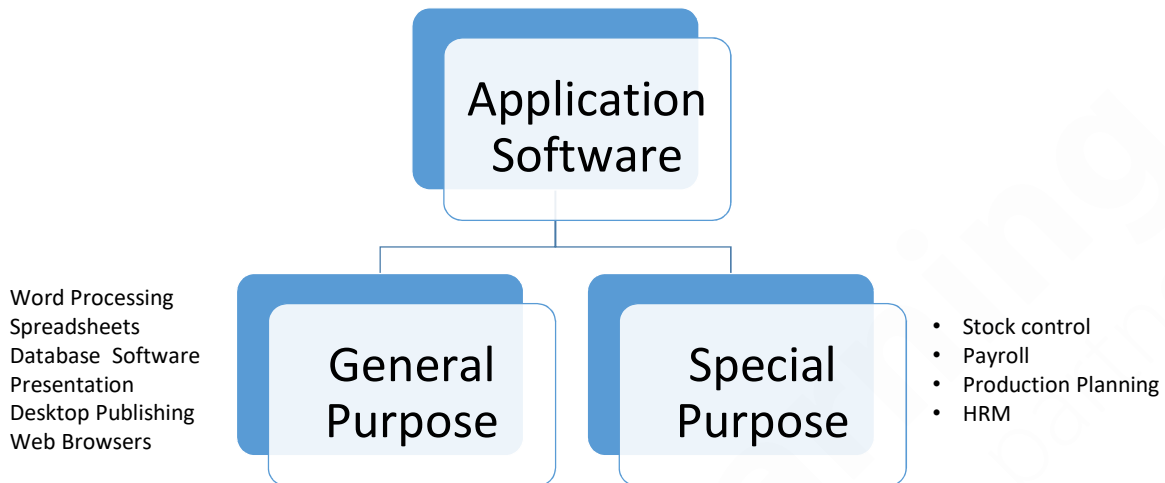
Cloud and Mobile Computing Era: (2000 to Present)

- Data centers | Mobile Computing

Mobile Computing Devices



Software Applications



General Purpose Application Software

Word Processing	-	MS Word, Word perfect, Openoffice Writer
Spreadsheets	-	MS Excel Lotus 123 Calc
Database Software	-	MS Access Oracle MS SQL
Presentation	-	MS Power Point Freelance Graphics
Desktop Publishing Maker	-	Corel Draw, Quark Express, Page
Web Browsers	-	Internet Explorer, Firefox, Chrome