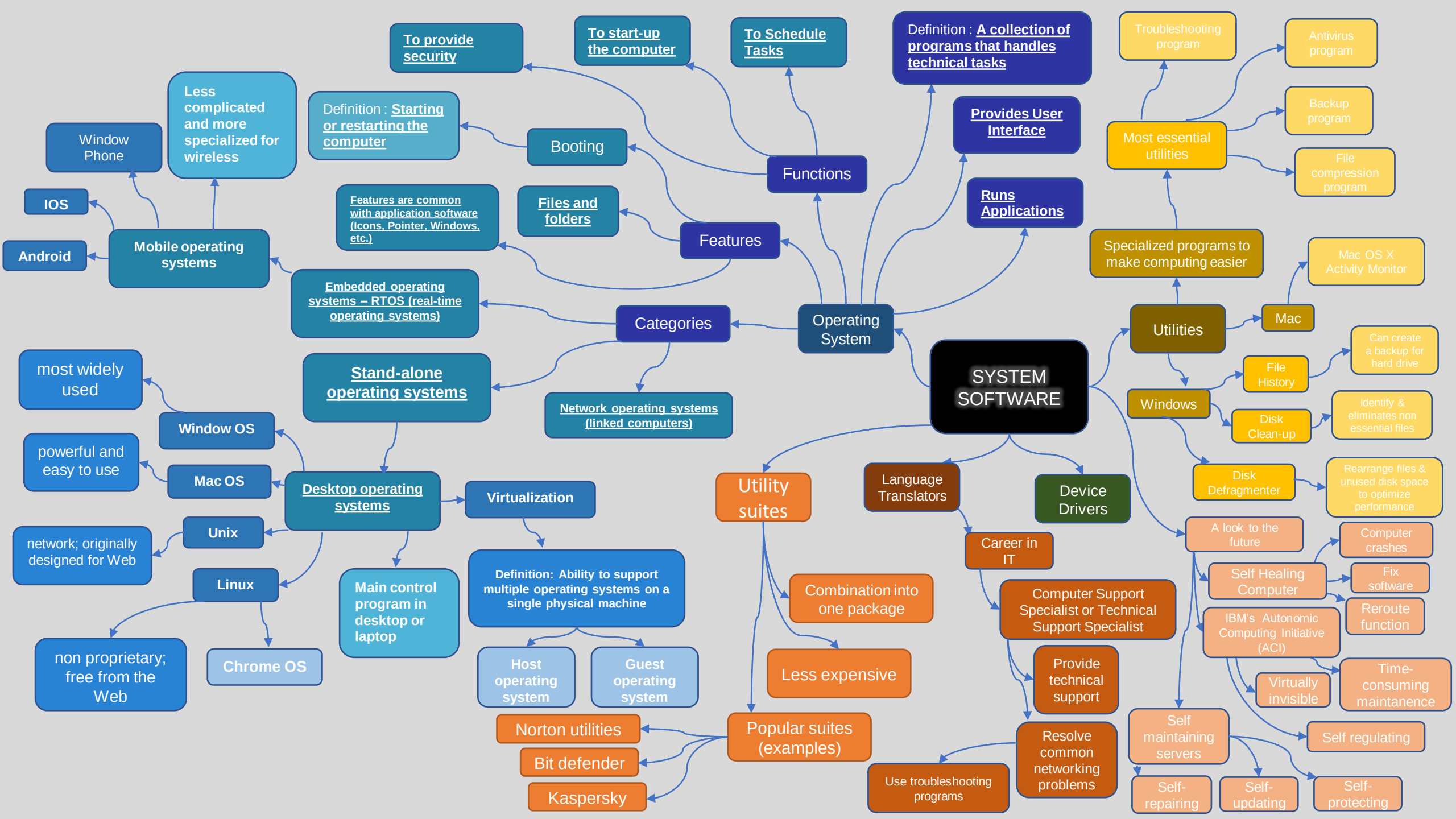
SYSTEM SOFTWARE
Operating System
Functions
To provide security
To start-up the computer
To Schedule Tasks
Booting
Definition : Starting or restarting the computer
Features
Files and folders
Features are common with application software (Icons, Pointer, Windows, etc.)
Categories
Embedded operating systems – RTOS (real-time operating systems)
Stand-alone operating systems
Network operating systems (linked computers)
Mobile operating systems
Window Phone
Less complicated and more specialized for wireless
IOS
Android
Desktop operating systems
most widely used
Window OS
powerful and easy to use
Mac OS
Unix
network; originally designed for Web
Linux
non proprietary; free from the Web
Chrome OS
Main control program in desktop or laptop
Virtualization
Definition: Ability to support multiple operating systems on a single physical machine
Host operating system
Guest operating system
Definition : A collection of programs that handles technical tasks
Provides User Interface
Runs Applications
Utility suites
Combination into one package
Less expensive
Popular suites (examples)
Norton utilities
Bit defender
Kaspersky
Language Translators
Career in IT
Computer Support Specialist or Technical Support Specialist
Provide technical support
Resolve common networking problems
Use troubleshooting programs
Device Drivers
Utilities
Specialized programs to make computing easier
Most essential utilities
Troubleshooting program
Antivirus program
Backup program
File compression program
Mac
Mac OS X Activity Monitor
Windows
File History
Can create a backup for hard drive
Disk Clean-up
Identify & eliminates non essential files
Disk Defragmenter
Rearrange files & unused disk space to optimize performance
A look to the future
Self Healing Computer
Computer crashes
Fix software
Reroute function
IBM's Autonomic Computing Initiative (ACI)
Virtually invisible
Time-consuming maintanence
Self regulating
Self maintaining servers
Self-repairing
Self-updating
Self-protecting