Input System support?Nearly all work on Z/os involves the uses of input and output devices. Z/os uses all mainstream inputs such as a mouse and keyboard as well as other very different things such as optical transmitters and various different buttons. This allows Z/os to make itself separate and make the user fully customizable in the way they do their work.

Output System support?Z/os has a huge output support to go along with its input support. Many products are used from normal to fibre-optic cables. This makes Z/os feel unique when compared to other operating systems.



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Support Multiple users?

Z/os does support multiple users but in a very different way then we are used to in our standard operating system. In windows, you sign in and sign out which allow multiple users to carry their own separate accounts in which they own and is protected individually. However, in Z/os it's quite different, applications can be protected as each application uses its own storage allowing multiple users to use the same operating system but keep their things private from each other.



DEVICE MANGEMENT

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2/0S BY IBM

Armin Dhamrait

USER INTERFACE

Is Z/os rebbotable?

Z/os is reebotable but isn't your ideal situation. IBM's software Z/os i meant to be ran on months without any reboot necessary, everything that needs to be completed can be done without a single reboot but reboots are required when the system undergoes an update. Reboots have to be plans days and days ahead in order to make sure no data or work is lost during the reboot and often becomes a very stressful situation said by many who use Z/os on the day to day.

Type of disk drive support?The disk drives that are currently the most commonly used are the IBM 3990. This unit usually contains eight or more disk drives with each one having one or more processors channeling. It supports many other disks like the IBM 2105 Enterprise Storage Server but most commonly seen with the 3990 unit.



Does Z/os support multi application or single application?

Z/os can support many applications at once, as IBM's latest operating system it can run many tenant mainframe applications. This allows the use of multiple people on the same operating system as each tenant has support and their own protected memory spaces. It runs in a very similar way to a standard operating system and has heavily impacted what those standard operating systems look like today.?

Z/os protection against malicious software? On IBM's latest operating system Z/os, security is a main factor. The system on Z/os is one of the safest on the market, especially when compared to standard operating systems. THe servers normally ran and recommended by IBM, RACF, is always monitored and had many experimenting on the software that now, no malicious software can enter the operating system.

Z/os on software and security updates? Z/os is one of the most secure operating systems and has been for a very long time. Many workers in IBM actually had a job to find ways to crack the IBM operating system and by the end of it found no success at all. This makes Z/os not in need of constant security updates as most of the time, it is considered a user error.

**SECURITY** 

Disk/Memory capacity? Since Z/os is a powerful operating system, there are some requirements when it comes to memory capacity. The minimum disk space required for Z/os is 50 GB to 100 GB worth. This is very reasonable as many PC's already contain this much and for the amount IBM's Z/os is providing, it's a fair trade off.

Designed for network, client, or network

With Z/os, it is mainly configured for network use. With the job path/paths that use the operating system Z/os, network capabilities and design is very important as it makes the user's life more efficient and easier.

What is Z/os designed for? Z/os is meant to be used as your use when dealing with IT.

mainframe operating system. As IBM's atest operating system, its design in the system makes it very appealing to IT rganizations. Z/os is practically built for , every mechanic is meant for an easie

Z/os against conflicts with legitimate applications?

Z/os has a very good relation with legitimate application processes as many of them work simitainisly with Z/os. Many applications built for Z/os are co-founded by IBM, this makes it very simple for Z/os and avoid conflicts. However Z/os is not the best when it comes to application conflicts it isn't working with.

APPLICATION SOFTWARE

Z/os stand alone or part of a larger network? Z/os is a part of IBM's larger network. IBM's network has been refined for nearly 60 years and is still being upgraded. With this knowledge and history that comes with IBM their system is very efficient but lacks newer concepts. IBM has one of the most reliable networks that you know nothing would happen to it but in terms of innovation it's clearly behind.

Off the shelf or Custom-made? Z/os is what people call an off the shelf operating system. It is accessible to everyone that wants to purchase the operating system at any time they please. IBM's operating system is commercially used internationally and is shown the respect that comes with nearly six decades of craftsmanship behind the product.

On Z/os it is very user focused, everything is based on the user and evolves around the user and doesn't for the processing either. Z/os has a user focused, interactive processing. Interactive processing is considered the simplest way to work on a system. You log in, run commands which execute immediately.

**Programming** languages and environment?As I said before, Z/os lacks innovation. This makes them very simple in the languages they have, the few languages they carry are c, c++, IBM High Level Assembler, and IBM PL/S. This is one of the down sides of using Z/os as there aren't that many languages that can be used created limitations on users.

HARDWARE

NETWORK

CONNECTIVITY

Z/os has its own cloud called the Cloud Broker. It's a backup strictly meant for IBM operating systems and servers in which is integrated with your basic servers in order to have a very easy cloud experience. Many other IBM systems are also integrated in this cloud allowing you to have all your information all on one area, this is very similar to standard operating systems such as Microsoft's Windows. This is because it also runs everything with the same cloud, for example how word, powerpoint, sheets are all ran with the same cloud making easy use between each other.

What type of connections does Z/os provide? A main focal point in Z/os is the diversity of products We saw this with the input and output options but this diversity also implies with everything else. In Z/os some connections provided are Internal LAN connectivity, External LAN connectivity, Console controller, and many more.