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## Introduction to Basis in SAP

### What is BASIS?

The full form of BASIS is "**Business Application Software Integrated solution**". Basis is a set of programs and tools that act as an interface with Database, Operating system, Communication protocols and business applications (such as FI, CO, MM, etc).

SAP applications such as FI, CO, PP etc. can run and communicate with each other across different Operating systems and Databases with the help of BASIS.

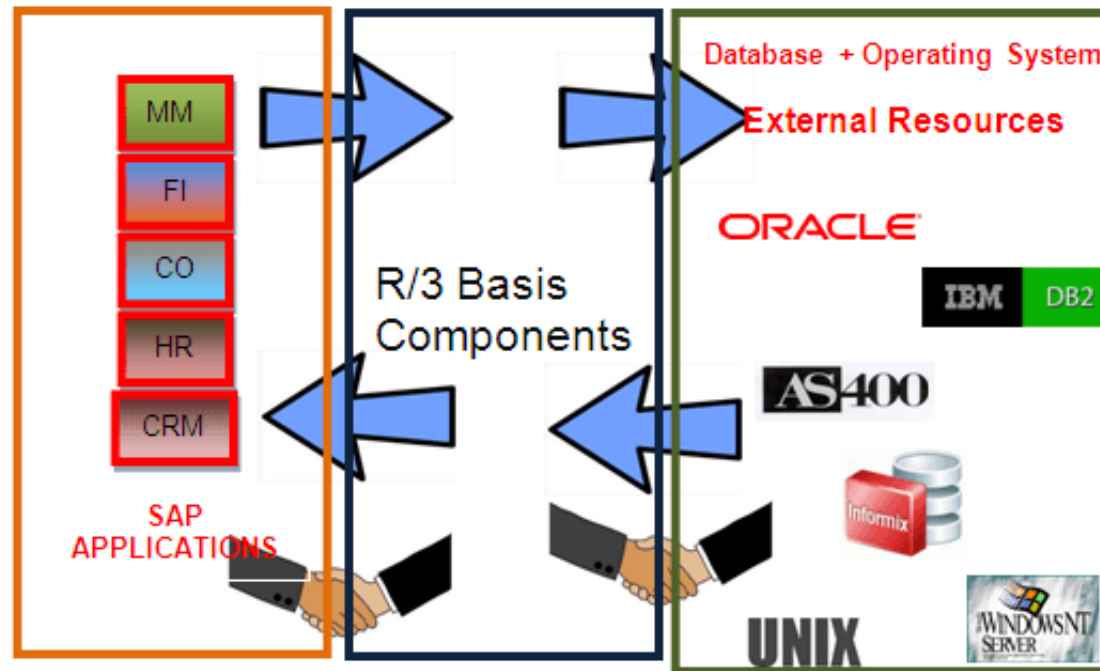
Nowadays Basis is known as **Netweaver**.

Alias of BASIS is SAP Application Server Technology and alias of netweaver is SAP Web Application Server.

After adding **java stack (the applications which are developed in J2EE, BSP, JSP, etc..), enhanced security standard for business process**. Both ABAP and Java stack can be monitored from one platform. Netweaver supports standard protocols such as HTTP, SMTP, XML, SOAP, SSO, WEBDAV, WSDL, WMLSSO, SSL, X.509 and Unicode format(**representation of handling text**).

We can say **Basis is the operating system for SAP applications and ABAP**. Basis provides services like communication with the operating system, database communication, memory management, runtime collection of application data, web requests, exchanging business data etc...

Basis supports a number of known operating systems (Unix flavors, Microsoft windows server edition, AS400, z/OS, etc) and databases (Oracle, DB2, Informix, Maxdb, Microsoft SQL Server, etc)..



**As we know BASIS is a set of tools. This tool has the following different functionalities:-**

- System monitoring and administration tools
- Common monitoring tool CCMS(**Computing Centre Management System**) to monitor alerts of R/3 system from an one place.
- Server side scripting in ABAP and Javascript.
- Use of Business server pages to build online stores and portals.
- Database monitoring and administration utilities
- Resource management like memory,buffer,etc.
- Authorization and profile management tools for user management.

- Internet access control to the system and business objects.
- Transfer modifications in screen,program,layout from the development to production system for accuracy purpose by **Transport Management System**.
- Client server architecture and configuration.
- Graphical User Interface designing for the presentation layer.

### **SAP Basis consultant's responsibilities:-**

SAP Basis is a middleware tool for applications, operating system and database.SAP Basis consultant should able to do the following tasks:-

- SAP application server monitoring , ABAP dump and system log analysis.
- Performance tuning
- Database maintenance , Database backup schedule and restore
- R/3,netweaver,[solution manager](#) installation ,etc..
- SAP license maintenance.
- SAP landscape , transport management system installations, etc
- Client creating , client copying , client deletion, etc
- Creating user, assigning roles , locking and unlocking users,etc
- Background jobs scheduling , job monitoring , job deletion , etc
- Profile and operation mode maintenance
- Applying support patches, upgrading and installing add-ons
- SNOTE applying and removing errors.
- System copy,System refresh ,etc

This a generic list. There are many other responsibility that a Basis consultant shoulders. Everyday you learn something new!

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