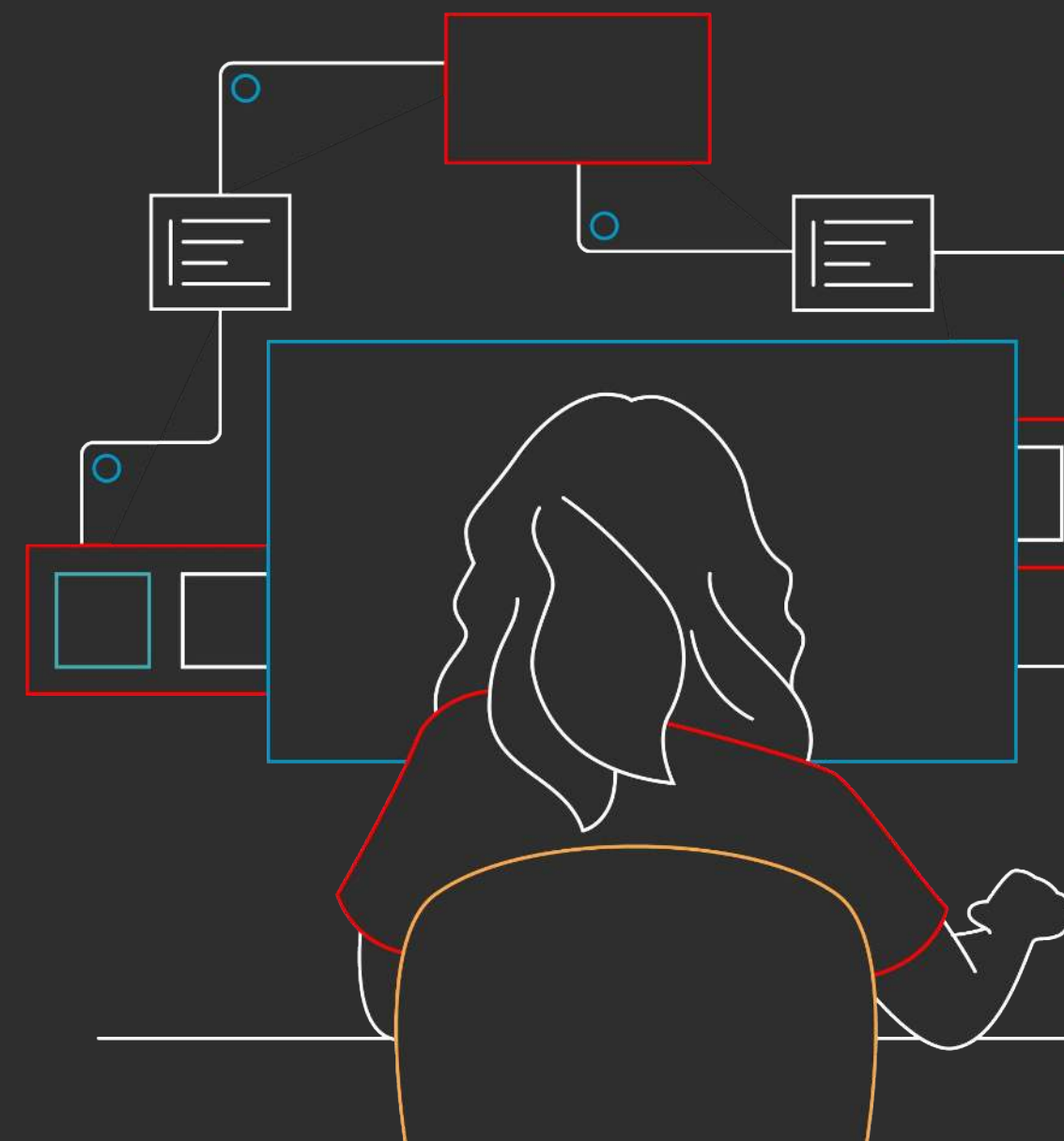


Introducing **SAP** Architecture

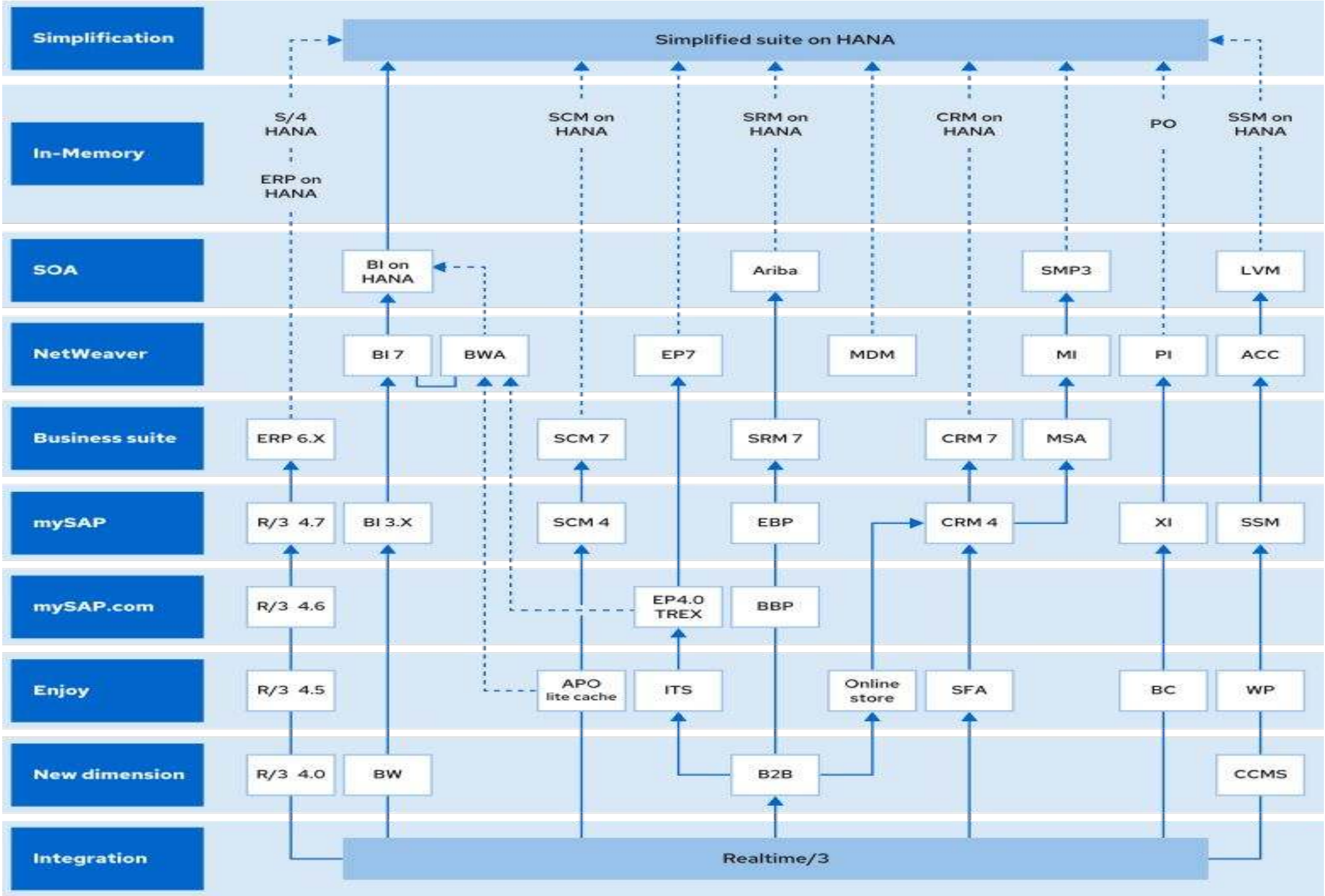
Describing the SAP Portfolio



SAP History

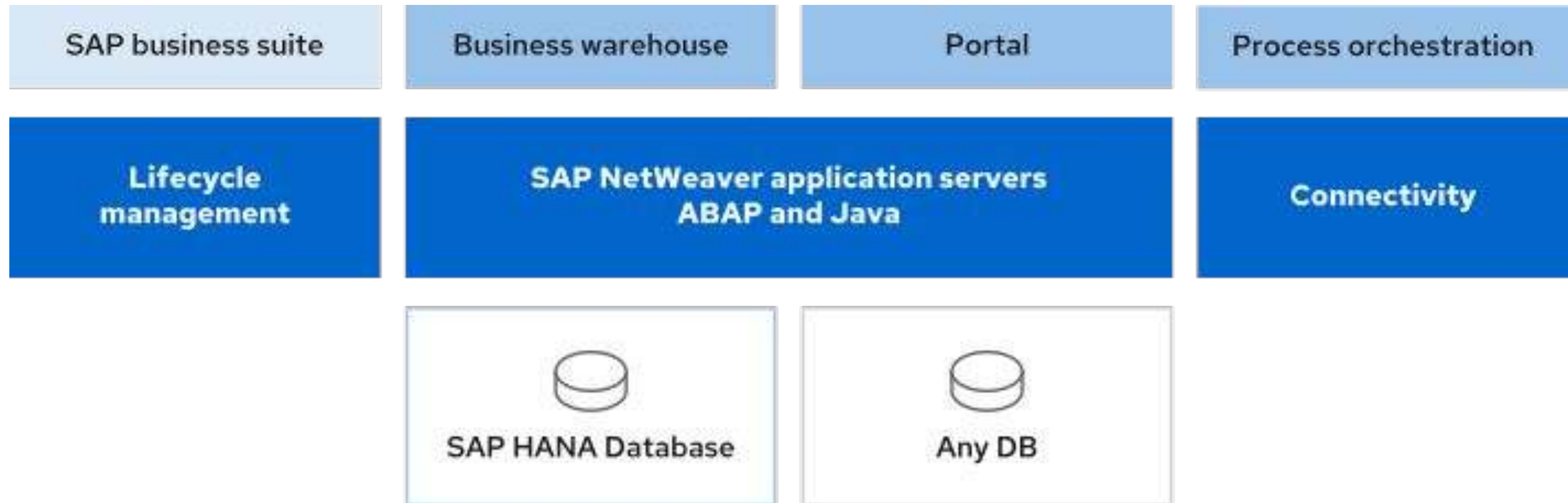
- Founded in 1972 as a private partnership
- largest software manufacturer in Europe today
- switch from individual designed programs on punchhole cards to generic standard software with online dialog via screen and keyboard
- That's why it is called real-time system
- 1973 R/1 financial accounting software defined OLTP data processing pattern and introduced a database for storing data
- became leading provider of commercial standard software on IBM and Siemens Mainframes

SAP Software History



inspired by Michael Missbach

Generic SAP Architecture



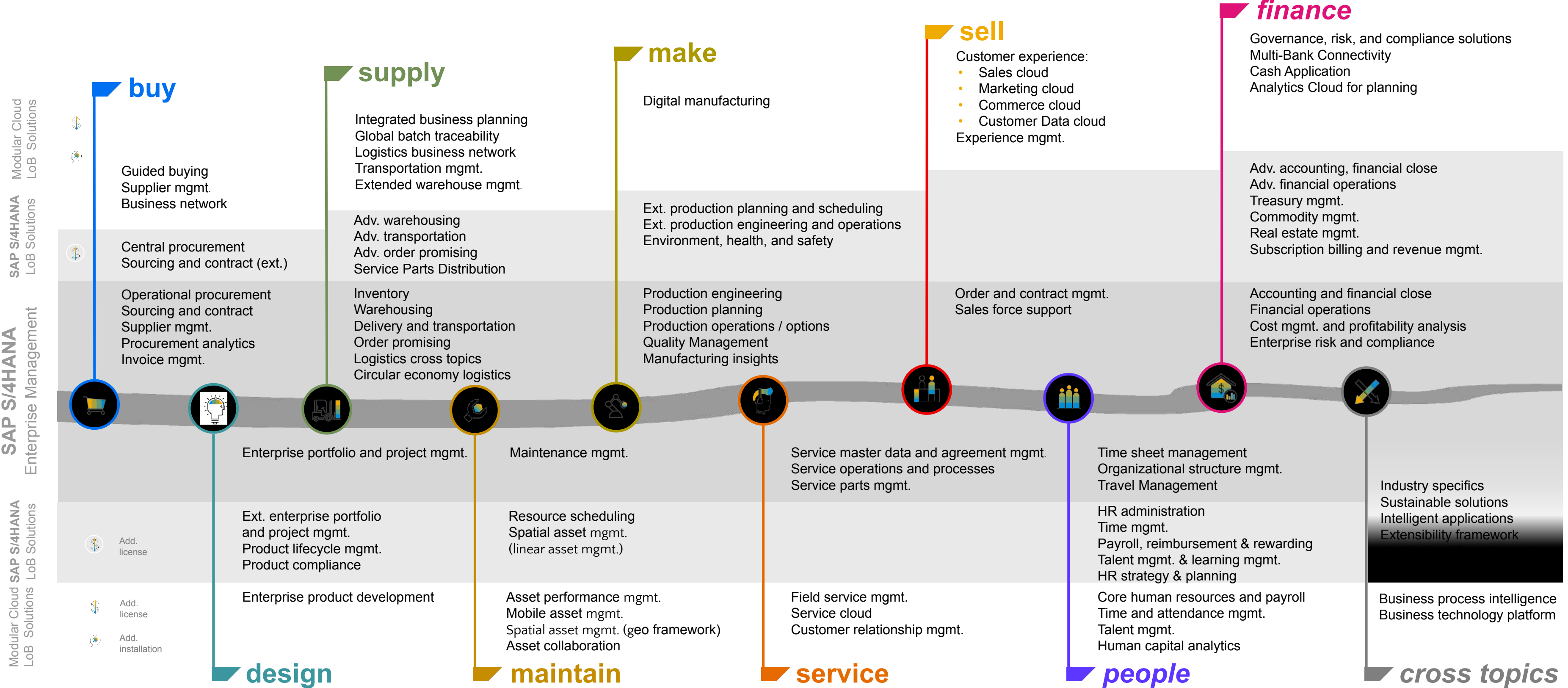
SAP Enterprise Resource Planning – Business Scope

Overview

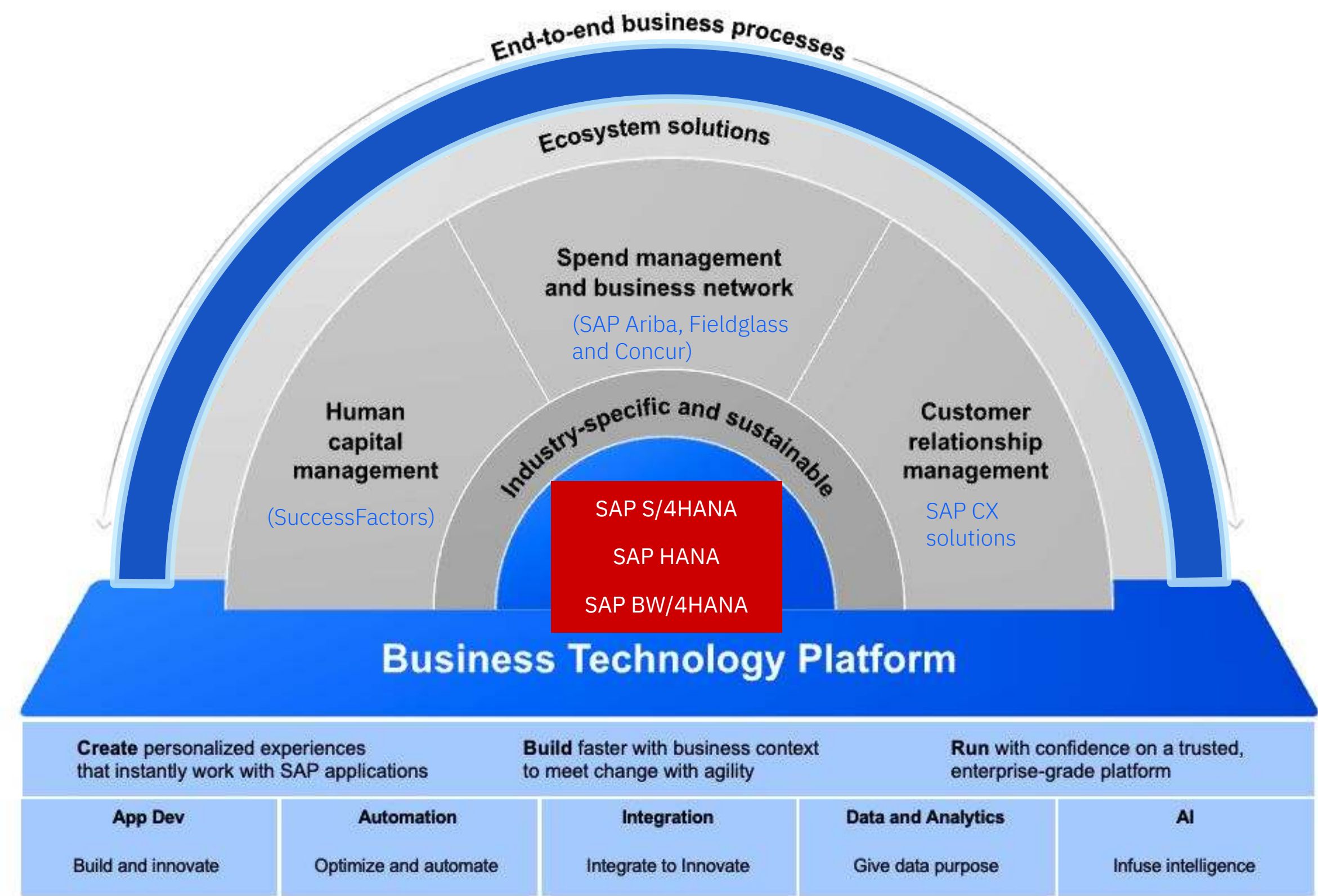


ERP is not just a software – it's a complete business solution, integrated across the entire value chain, which creates an information infrastructure for efficient planning and effective execution.

SAP S/4HANA Modular Application Portfolio (MAP)



SAP in a nutshell – Portfolio of all SAP software*



ERP



LoB's



BTP

*SAP S/4HANA runs on public and private cloud and on prem. LoB Products like SuccessFactors, Ariba, Concur and SAP CX are SaaS products on public cloud
You can find all SAP Products here: <https://www.sap.com/products/a-z.html>

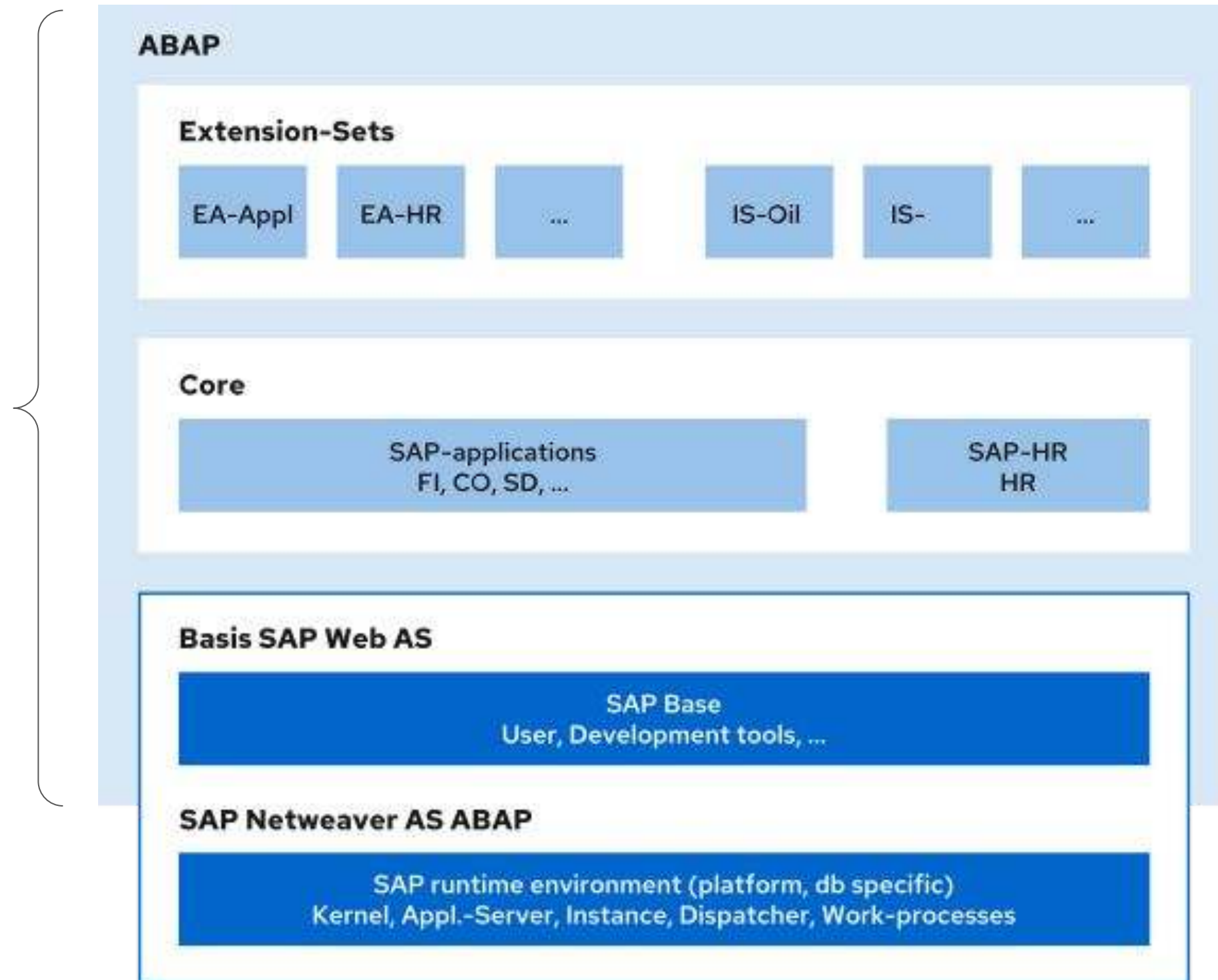
ABAP Stack

Example: ECC (R/3)

Complete application is written in ABAP code

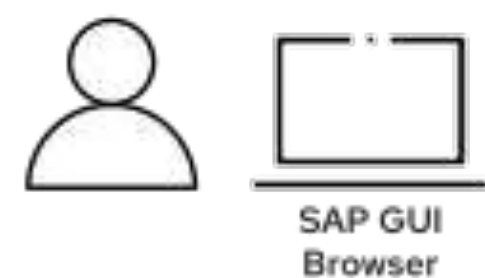
Successor S/4 HANA is a complete new application, but the runtime environment stays the same

used to abstract OS-Filesystem and platform independant language

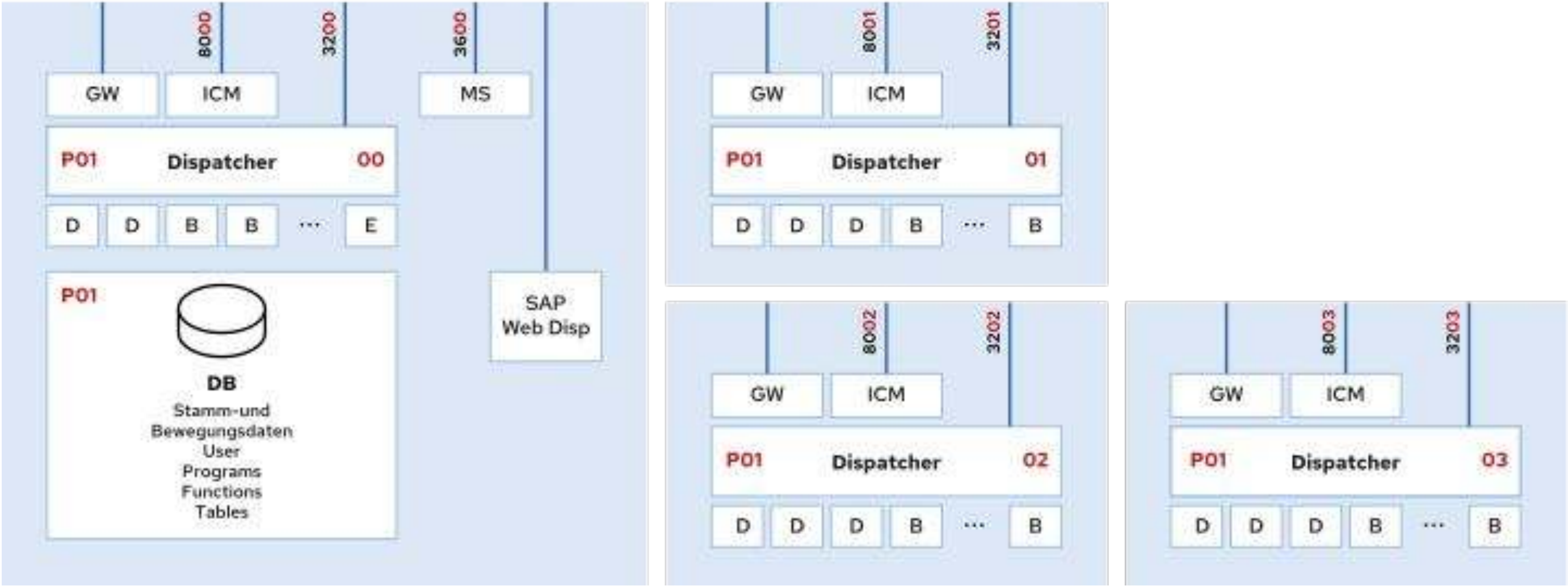


ABAP Solution Architecture

Example: ECC



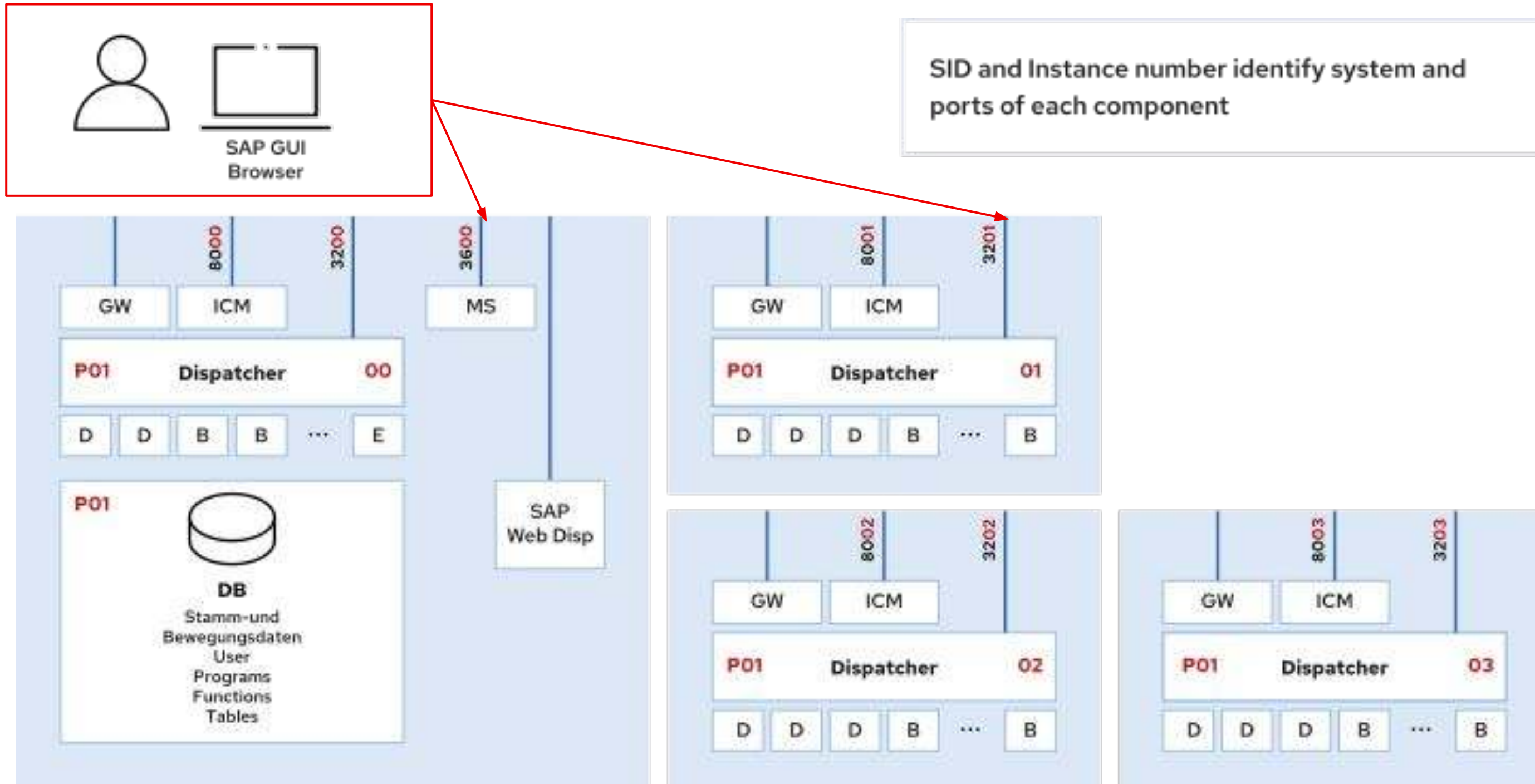
SID and Instance number identify system and ports of each component



ABAP Solution Architecture

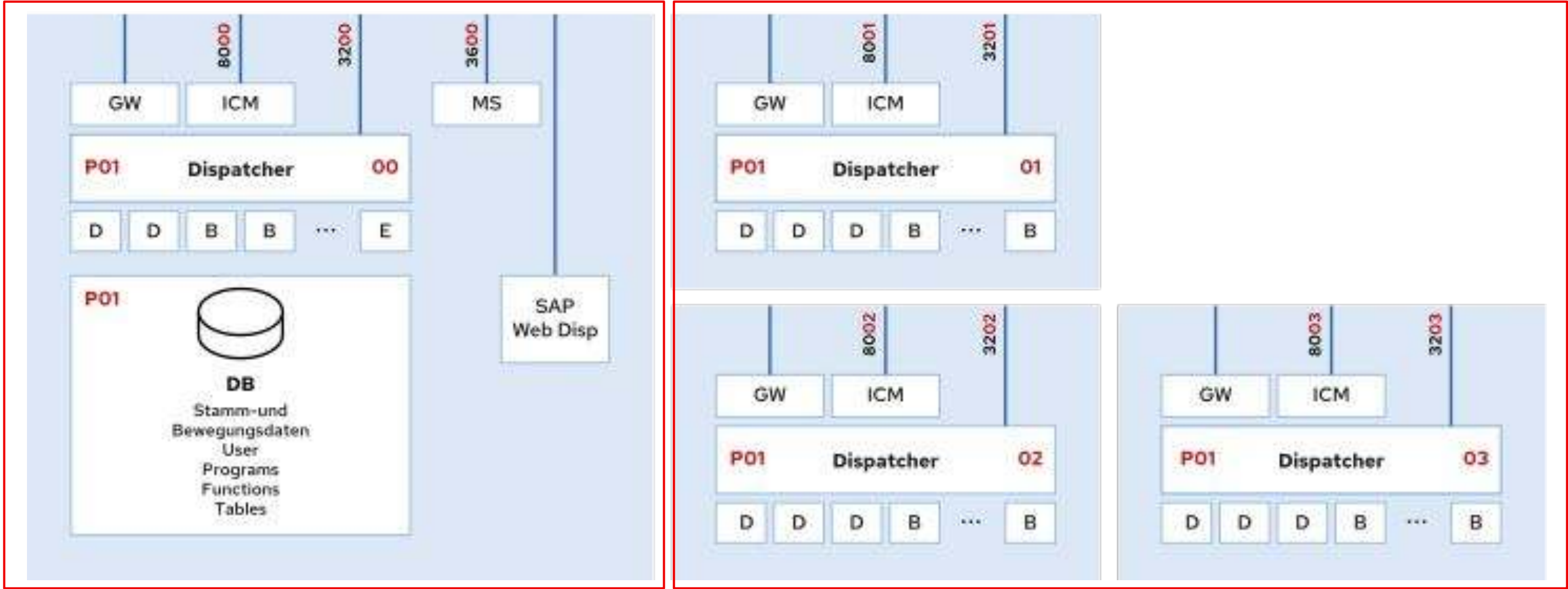
Example: ECC

Tier 1



ABAP Solution Architecture

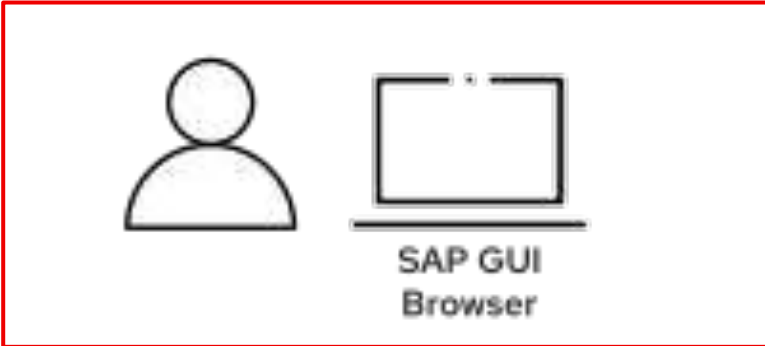
Example: ECC



ABAP Solution Architecture

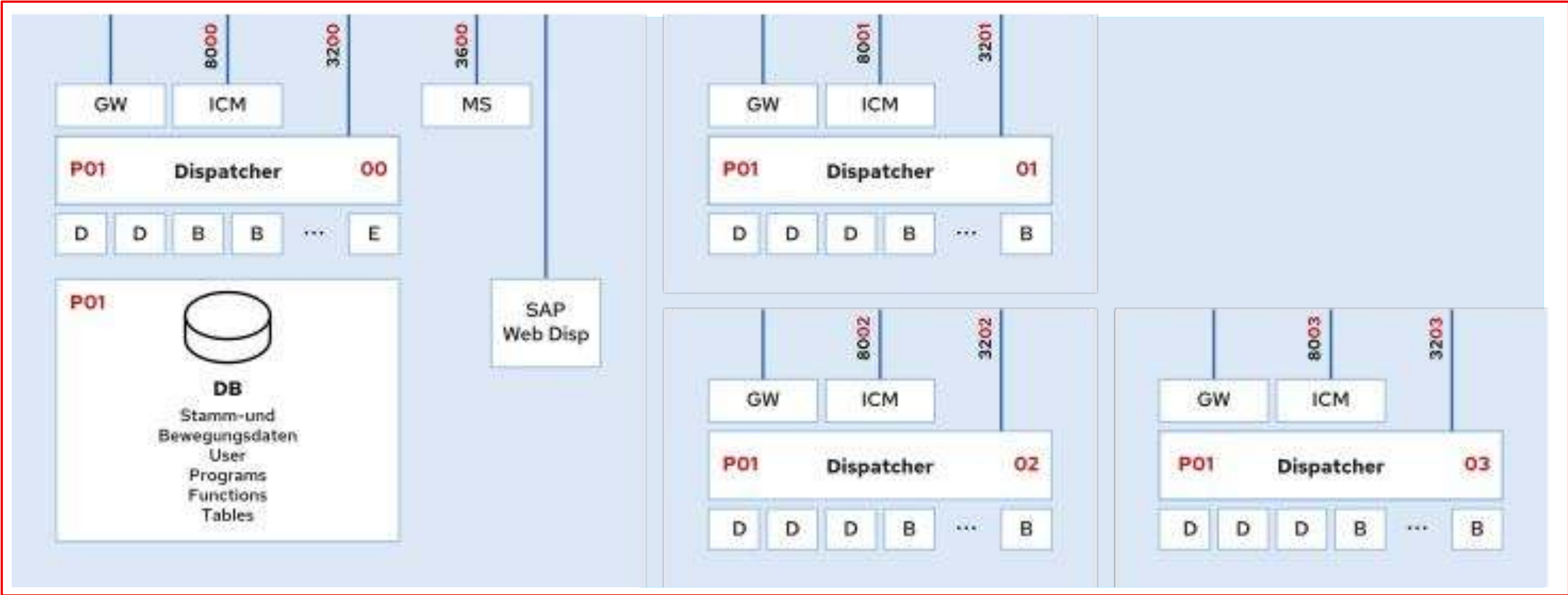
Example: ECC

Tier 1

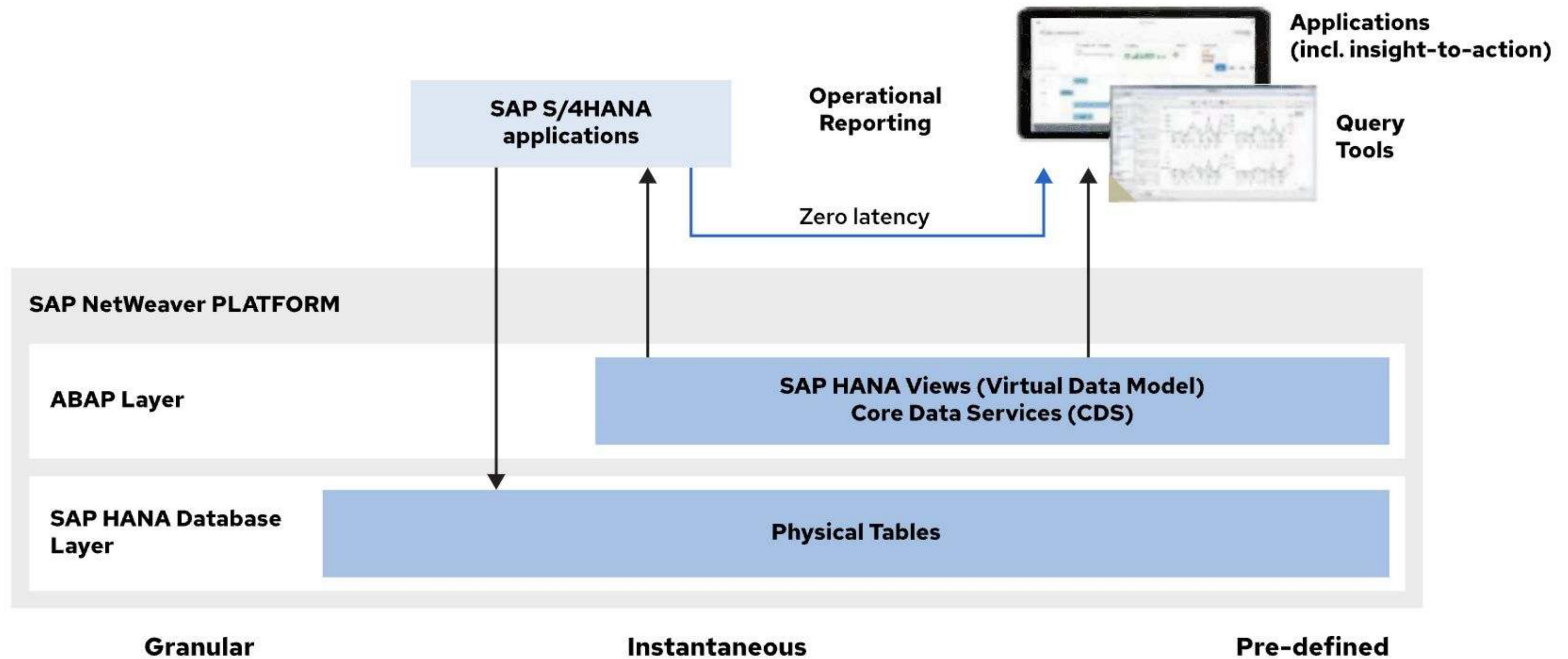


SID and Instance number identify system and ports of each component

Tier 2



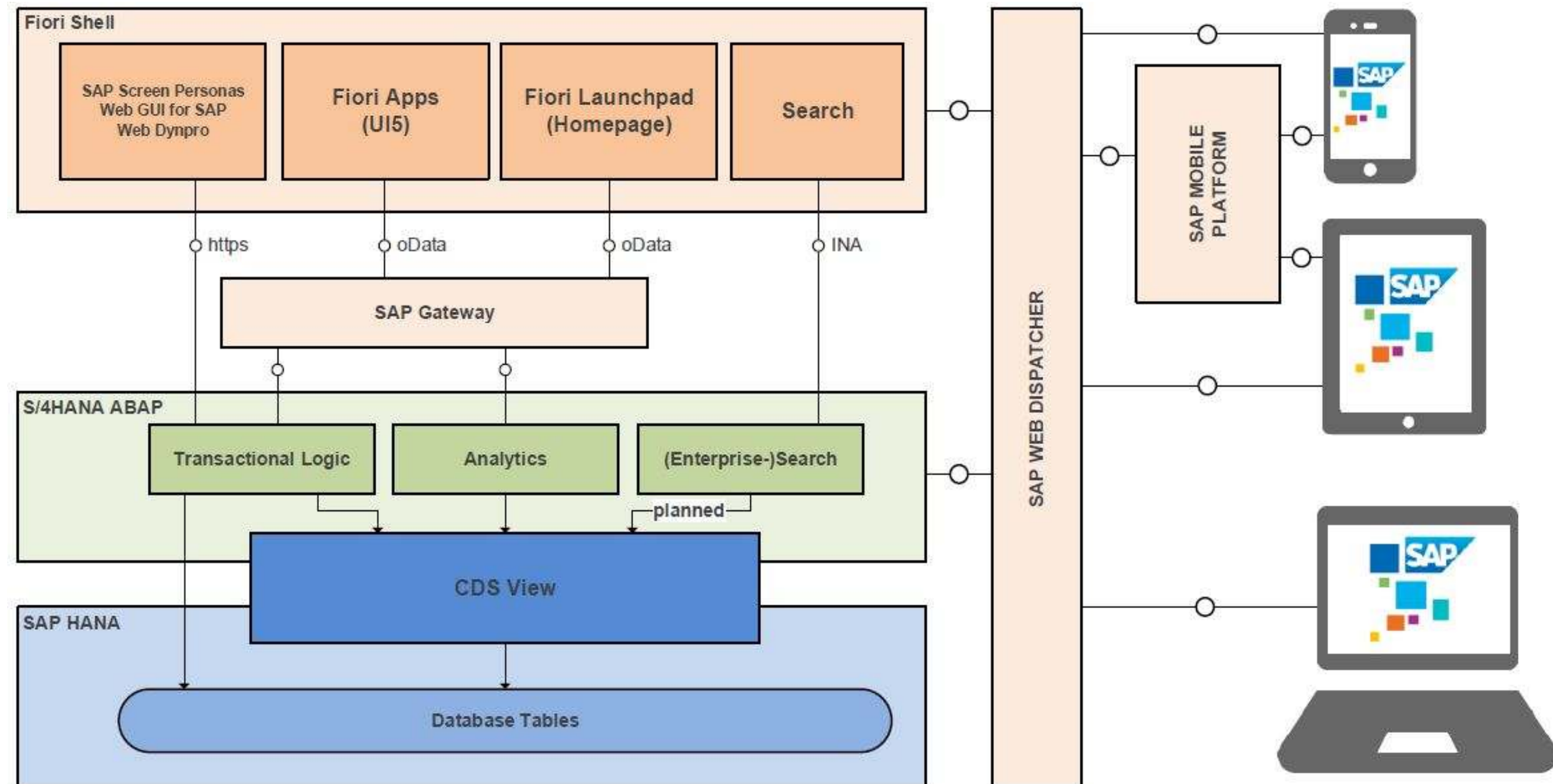
SAP S/4 HANA and Netweaver



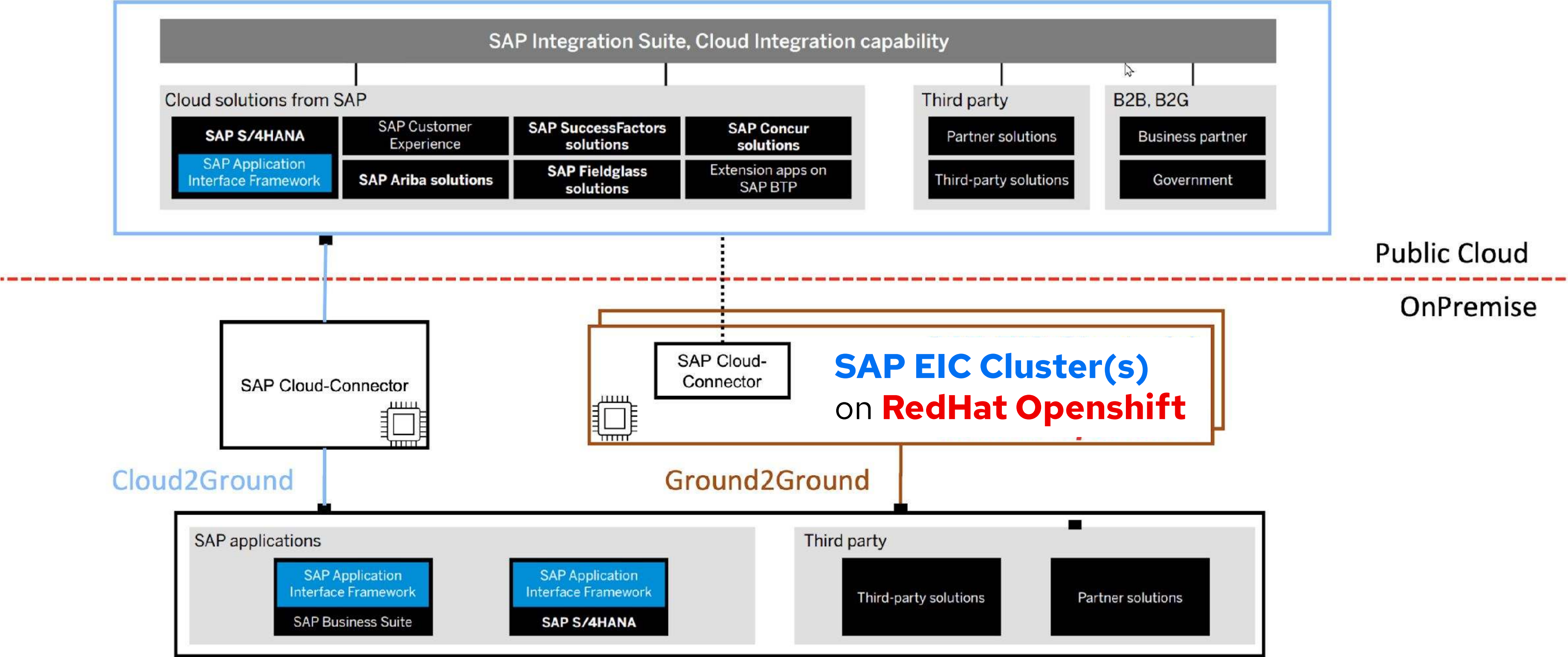
High-level SAP S/4HANA Architecture

SAP S/4HANA Architecture is more modern than the classical Business Suite architecture

- Launchpad / Fiori
SAPGUI still available for compatibility reasons OnPremise and in Private Cloud
- Application engines
 - Transactional Logic
 - Operational Reporting with Embedded Analytics
 - Enterprise Search
- Data structures
Core Data Services (CDS) Views as an abstraction layer

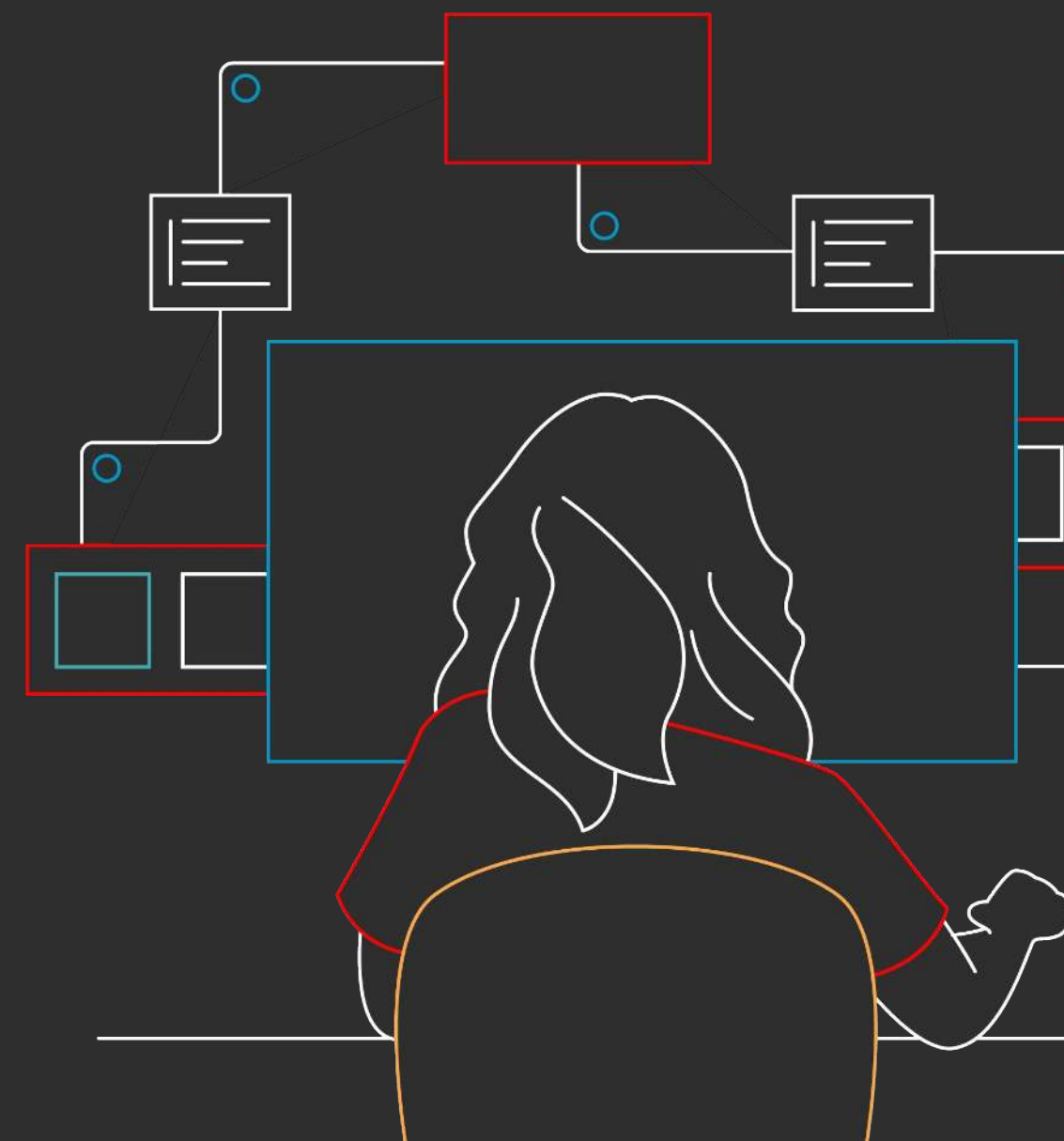


Introducing SAP Architecture



Introducing **SAP** Architecture

**Planning the Installation and
Verifying Version Compatibility**



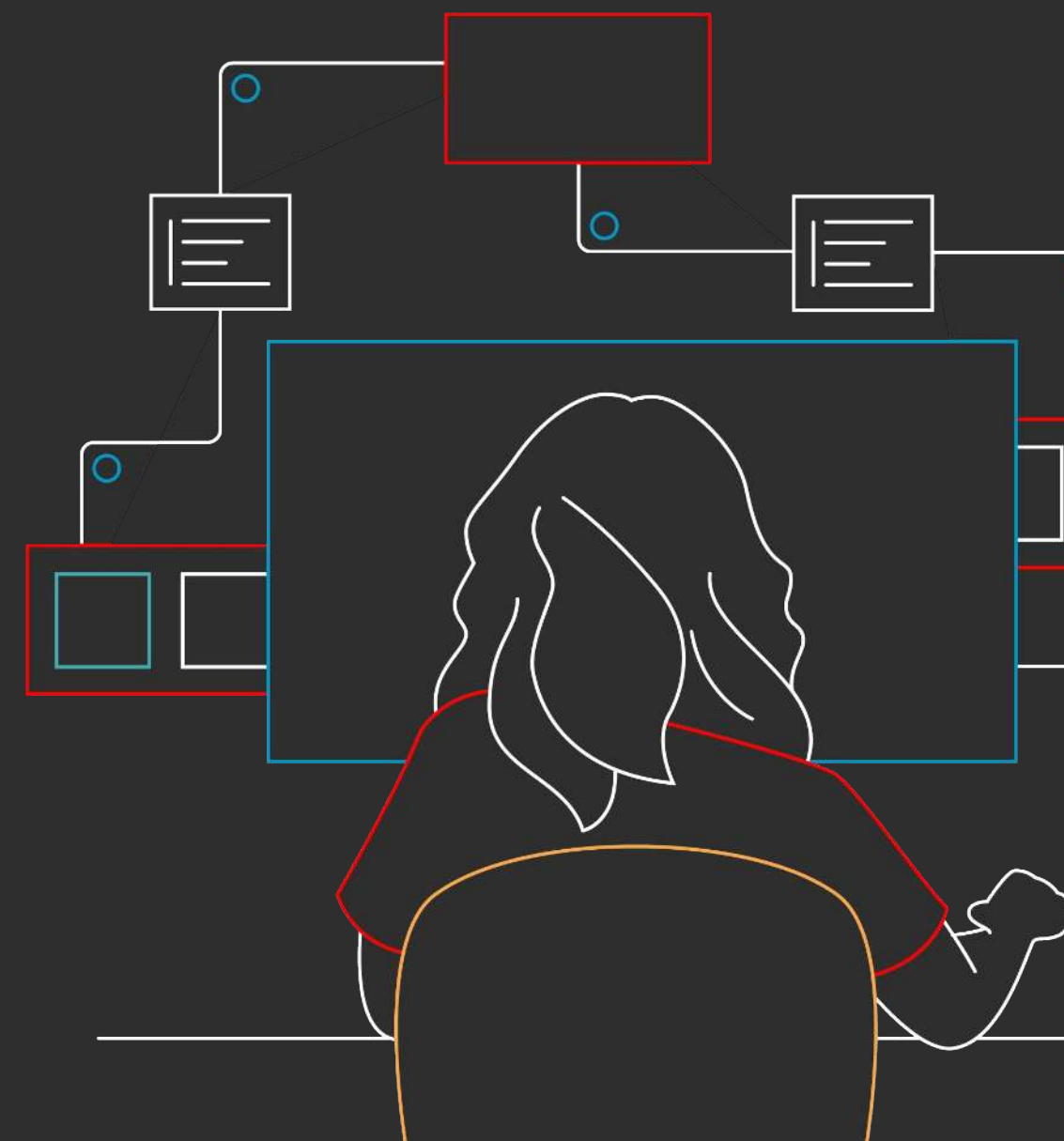
SAP Support Matrix

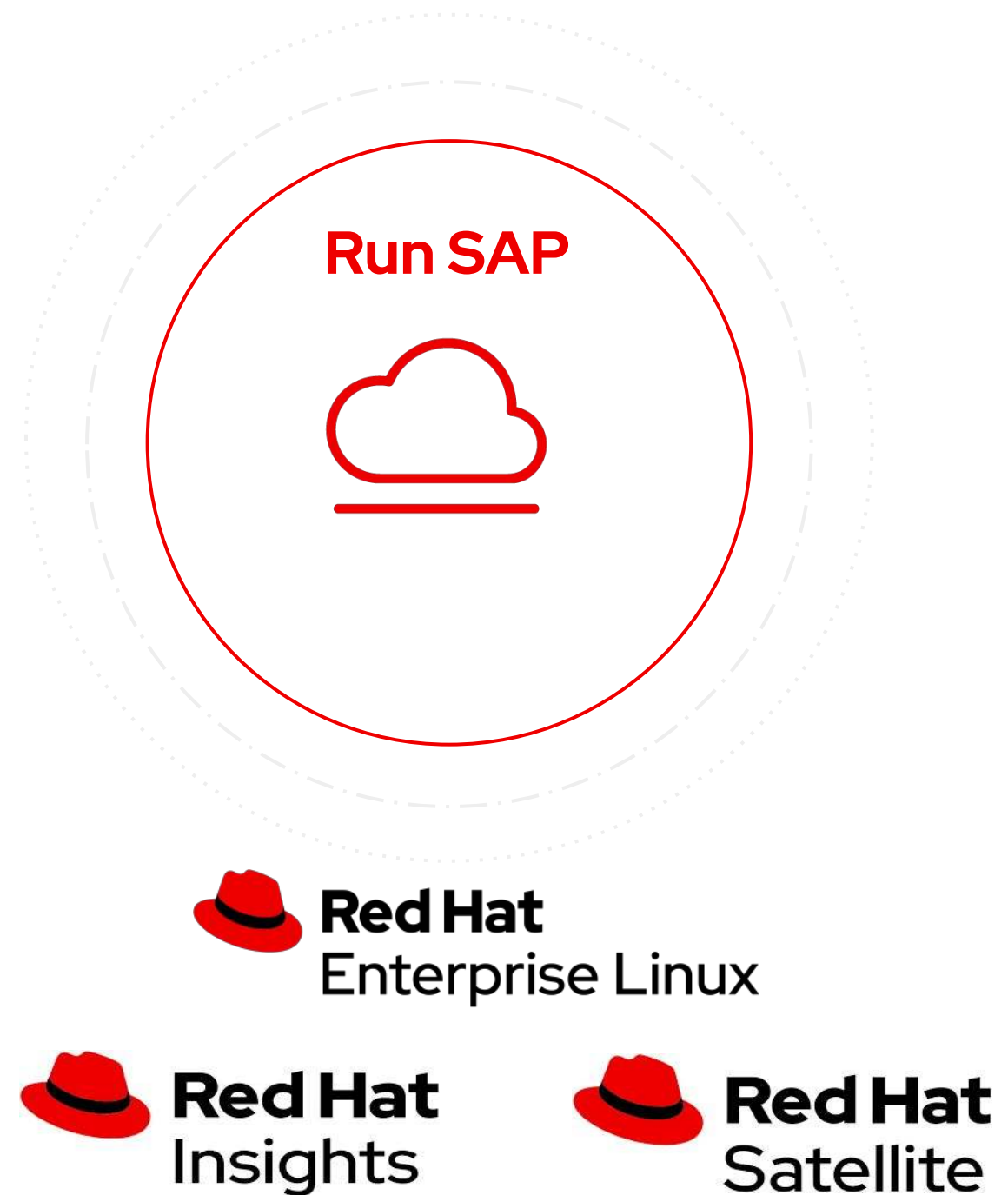
SAP Note [#2235581](#): SAP HANA: Supported Operating Systems

Quick Links on [Red Hat Customer Portal KB article #6966927](#)

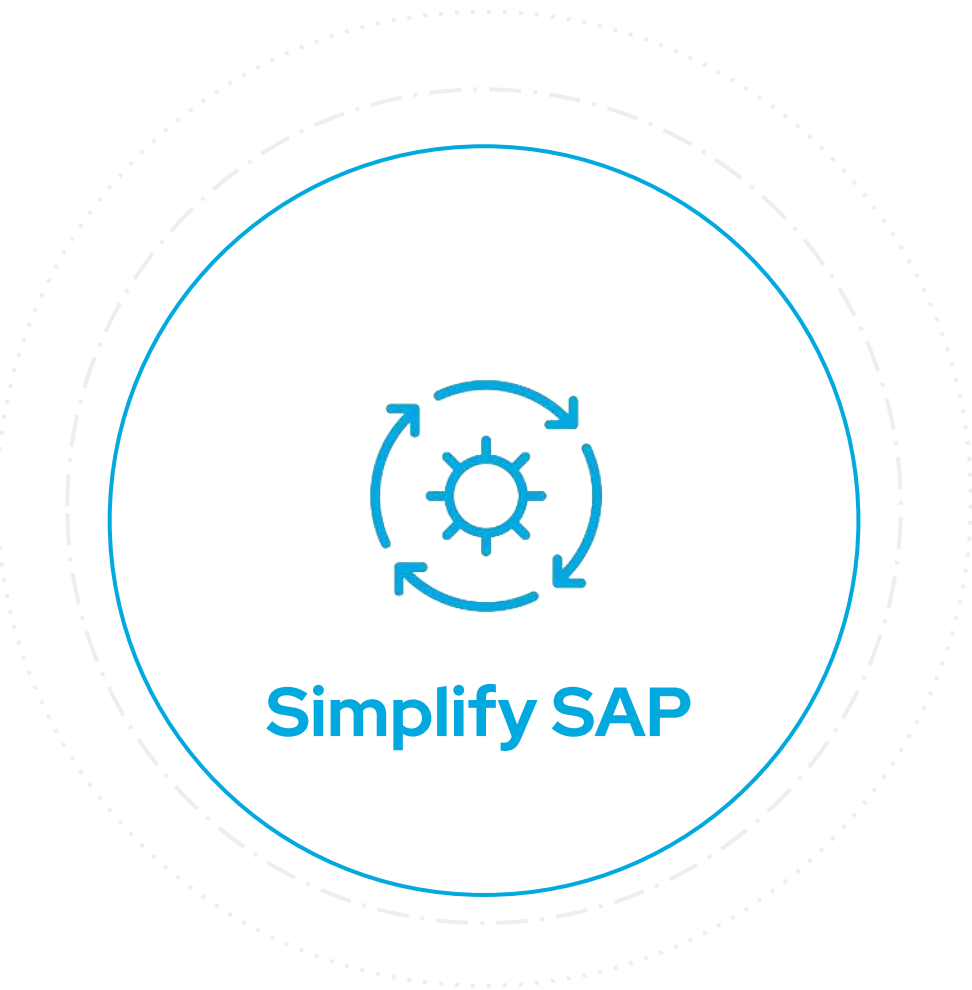
Explaining Red Hat Enterprise Linux for **SAP Solutions**

Outlining Red Hat Products for SAP

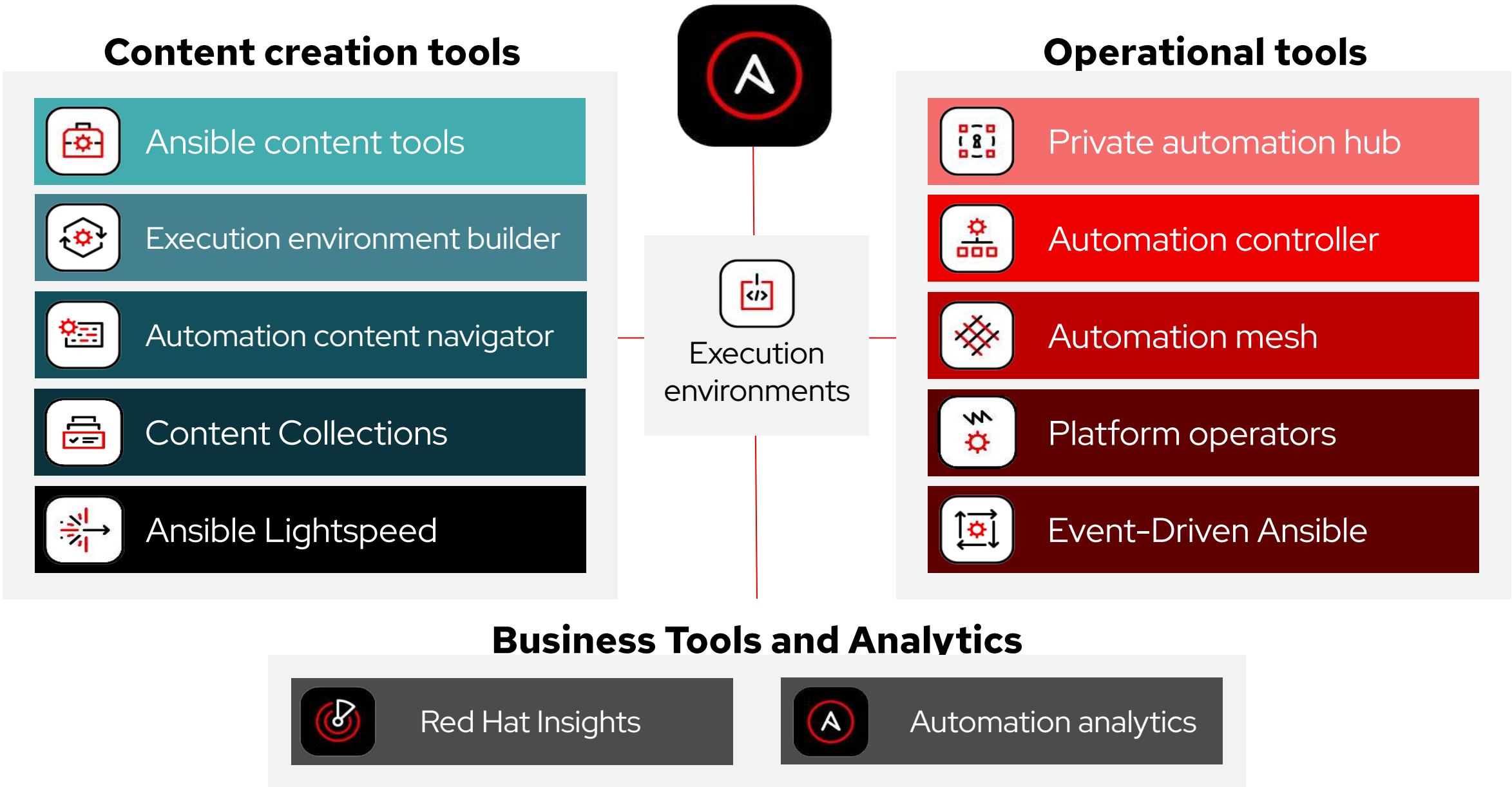




- Red Hat Enterprise Linux
- RHEL High-Availability Add-on
- Red Hat Satellite
- Red Hat Insights
- RHEL system roles for SAP
- SAP specific components
- Update Services for SAP solutions








 **Red Hat**
Ansible Automation
Platform









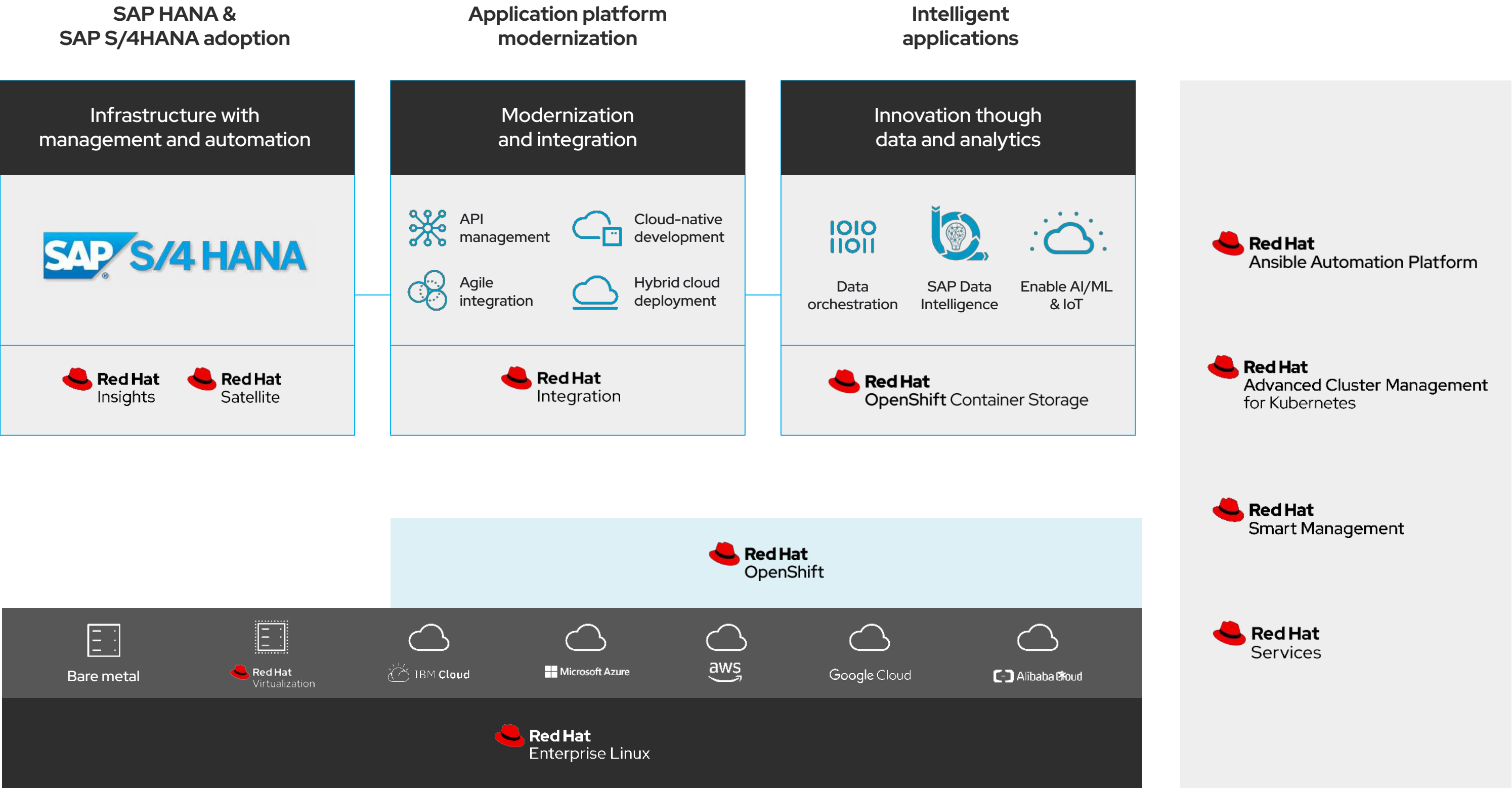
Application platform modernization

Modernization and integration	
 API management	 Cloud-native development
 Agile integration	 Hybrid cloud deployment
 Red Hat Integration	

Intelligent applications

Innovation through data and analytics		
 Data orchestration	 SAP Data Intelligence	 Enable AI/ML & IoT
 Red Hat OpenShift Container Storage		

The complete and open hybrid infrastructure for SAP





Thank You!



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