

SAP Business Technology Platform (SAP BTP) – Detailed Notes

1. Building Blocks of SAP BTP: Strategy and Core Technologies

- **What is SAP BTP?**
- • SAP BTP is a unified platform that brings together application development, integration, automation, data, and analytics.
- • It helps organizations transform into intelligent, agile, and integrated enterprises.
- **A. Strategy of SAP BTP**
- • **Unified Platform Strategy:** Provides one common platform instead of multiple disconnected tools.
- • **Clean Core Strategy:** Encourages keeping the SAP S/4HANA core clean by building extensions on BTP.
- • **Business-Centric Innovation:** Focuses on solving real business problems using technology.
- • **Cloud-First Approach:** Built to leverage scalability, security, and flexibility of cloud computing.
- **B. Core Technologies of SAP BTP**
- • **Database & Data Management:** SAP HANA Cloud for high-performance data processing.
- • **Analytics:** SAP Analytics Cloud for reporting, dashboards, and planning.
- • **Application Development:** Tools for Pro Code and Low Code/No Code development.
- • **Integration:** SAP Integration Suite for connecting SAP and non-SAP systems.
- • **Automation:** SAP Build Process Automation for workflow and RPA.

2. What can SAP BTP be used for?

- **A. Integration**
- • Connect SAP systems like S/4HANA, SuccessFactors, Ariba with non-SAP systems.
- • Enables seamless data flow across applications.
- • Example: Integrating SAP S/4HANA with a third-party logistics application.
- **B. Data to Value**
- • Converts raw business data into meaningful insights.
- • Uses SAP HANA Cloud and SAP Analytics Cloud.
- • Supports real-time analytics and decision-making.
- • Example: Sales performance dashboards using live transactional data.
- **C. Extensibility**
- • Build custom applications and extensions without modifying core SAP systems.
- • Supports side-by-side extensions.
- • Ensures upgrades do not break custom logic.
- • Example: Custom approval app extending S/4HANA procurement.
- **D. Automation**

- • Automates repetitive and manual business processes.
- • Includes workflows, bots, and business rules.
- • Improves efficiency and reduces human errors.
- • Example: Automated invoice processing using bots and workflows.

3. Pro Code & Low Code / No Code Framework

● A. Pro Code Framework

- • Designed for professional developers.
- • Requires strong programming knowledge.
- • Uses languages like Java, JavaScript, Node.js.
- • Provides full control over application logic.
- • Tools: SAP Business Application Studio, SAP UI5, CAP.
- • Example: Building a complex enterprise-grade application.

● B. Low Code / No Code Framework

- • Designed for business users and citizen developers.
- • Minimal or no coding required.
- • Uses visual drag-and-drop interfaces.
- • Faster application development.
- • Tools: SAP Build Apps, SAP Build Process Automation.
- • Example: Creating a simple approval workflow without coding.

● C. Comparison

- • Pro Code → High flexibility, high complexity.
- • Low Code/No Code → Faster delivery, limited customization.
- • Both approaches can coexist in SAP BTP.