Overview Lesson: SAP Business Technology Platform (SAP BTP)

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What is Business Logic?

1

The Brains of Your Application

So, uh, let's start with the basics. What exactly is business logic? Well, think of it as the brains of your application. It's basically the program that controls how information flows between what users see on screen and where your data lives.

2

Data Sources

Your data can come from a few places: - Databases where it's stored - Calculations done while the program is running - Information that users type in themselves

3

Decision Making

This data is what allows your computer to make decisions and get you the results you want. And the good news? Building this business logic has gotten way easier over the years. You don't always need to write every line of code yourself anymore.

Evolution of Business Logic

1

Traditional Programming

You know, back in the day, developers had to learn specific programming languages to create business logic. That's still kind of true, but things have really changed.

2

Low-Code Revolution

We now have what we call low-code or no-code tools. These let you build applications without writing code at all in some cases.

3

SAP Modern Solutions

If you're familiar with SAP, you might know about SAP Build Process Automation or SAP Build Apps - these are perfect examples of this approach.

Programming Models

SAP Cloud Application Programming Model

But what if you actually like coding? Well, SAP hasn't forgotten about you. They offer some really useful models like the SAP Cloud Application Programming Model.

ABAP RESTful Application Programming Model

The ABAP RESTful Application Programming Model is another powerful option for developers who prefer coding.

Focus on What Matters

These are designed to make life easier for developers. They handle all the boring infrastructure stuff so you can focus on what really matters - the business logic itself.

Runtimes

Cloud Foundry Runtime

Okay, so... SAP BTP gives you three main runtimes to support different scenarios. The first is Cloud Foundry Runtime, which provides a platform for deploying and running cloud applications.

Kyma Runtime

The Kyma Runtime offers a Kubernetes-based environment for extending applications with serverless functions and microservices.

ABAP Environment

The ABAP Environment allows developers to build ABAP applications in the cloud. Each one has its strengths, and you'd pick different ones depending on what kind of project you're working on.

Agile Development

Sprint Planning

In today's world, development happens really fast, right? Most teams work in sprints of about two to three weeks.

Quality Assurance

The good thing is these services are usually tested really thoroughly before they're made available for you to use.

API Integration

So how do you keep up? Well, you can use APIs - application programming interfaces.

Leveraging Resources

Along with open-source libraries and reusable functions to speed things up.