📘 Understanding PurePath® and Smartscape in Dynatrace

In Dynatrace, **PurePath®** helps you **trace the full journey of a user request** across your system – from the moment a user clicks a button on your website to the moment it completes in the backend, including APIs, microservices, databases, and third-party systems.

👨‍💻 Example Scenario:

Imagine a user clicks “Add to Cart” on an e-commerce site:

- The **frontend** processes this action.
- The request is passed to the **Cart Service** and **Checkout Service**.
- These services interact with a **PostgreSQL database** (OLTP).
- Finally, a **payment provider** processes the transaction.

With **PurePath®**, Dynatrace:

- Breaks this user action into **individual traces**.
- Shows how long each step took.
- Highlights **dependencies and bottlenecks**.
- Offers **code-level visibility** into each operation.

🌐 What is Smartscape?

Smartscape is Dynatrace’s real-time **topology visualization**. It shows how services, processes, and hosts are connected, updating continuously as your environment changes.

It helps you answer:

- How did this request travel through the system?
- Which services were involved?
- Where did it slow down?

🤖 Enter Davis® – Dynatrace AI Assistant

Davis® is Dynatrace’s **AI engine** that:

- Automatically analyzes data from PurePath and Smartscape.
- Detects **anomalies**, slowdowns, and **performance issues**.
- Gives you **smart suggestions** on what went wrong and how to fix it.

✅ Summary:

- **PurePath®** = Request-level tracing across systems and code.
- **Smartscape** = Real-time map of your environment.
- **Davis®** = AI that interprets everything and gives insights.

This trio provides **deep observability**, letting you find and fix issues **quickly and efficiently**, even in complex, microservices-based systems.

Let me know if you want this converted into slides or visual notes!