Software Architecture



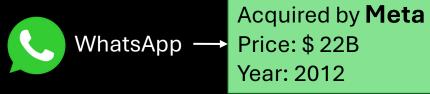
















Acquired by Mi LinkedIn →

Price: \$ 26.2B

Year: 2016

What is the Difference? by IBM 7B





Acquired by **SalesForce**

Price: \$ 27.7B

Year: 2020

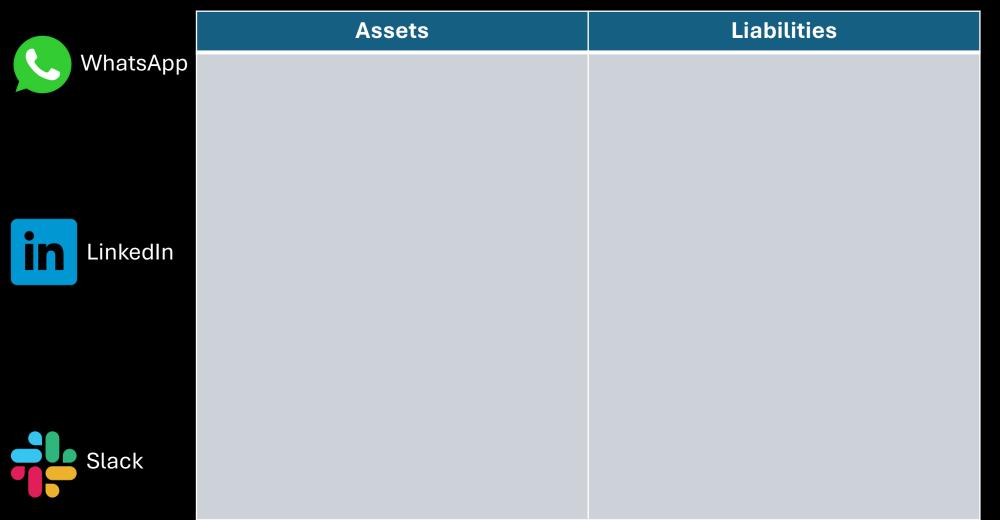
Acquired by AMD

Price: \$50B

Year: 2020



Balance Sheet

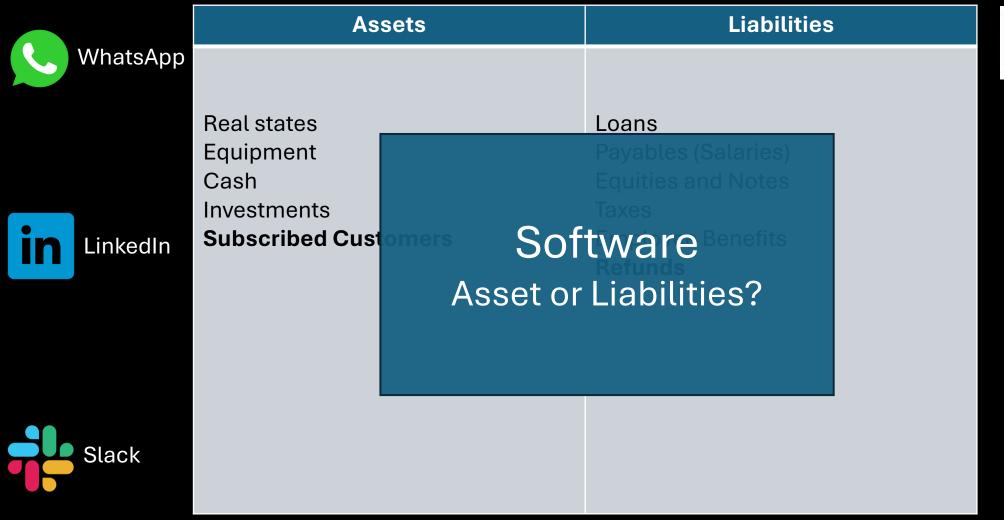








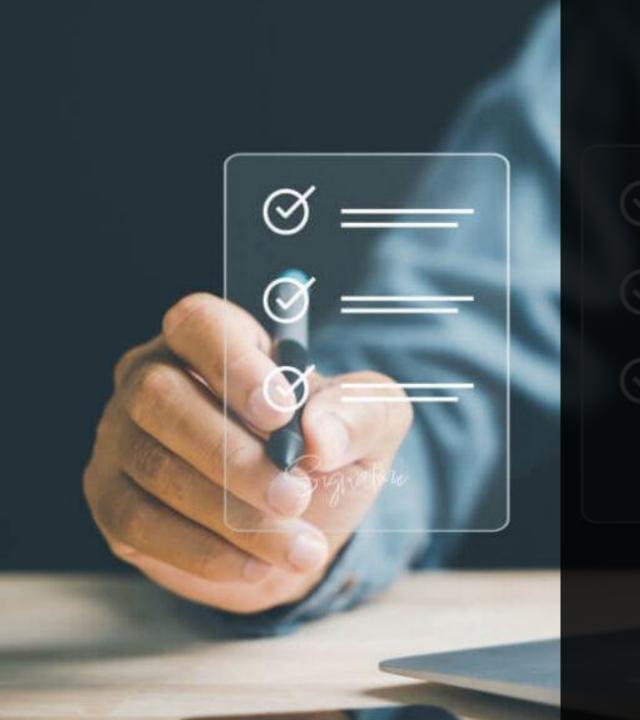
Balance Sheet











Impact on Software Valuation

- Technical Debt
- Risk Register
- Code Quality

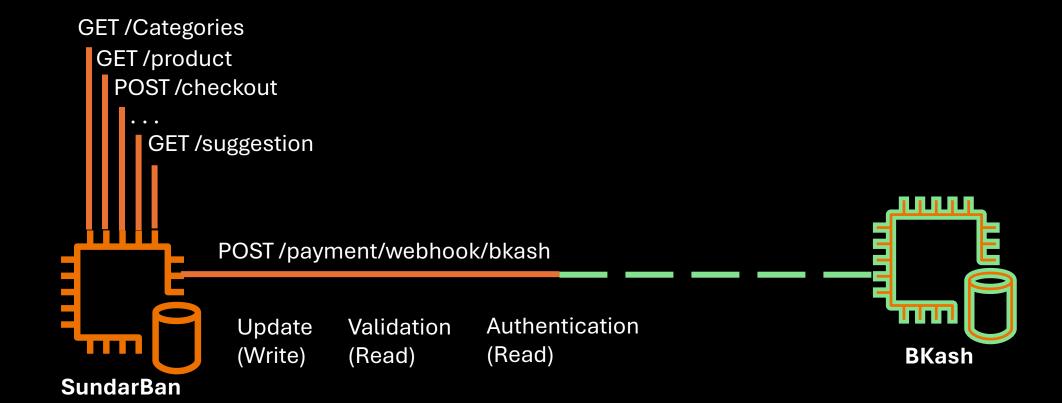
SundarBan

a place to buy and sell

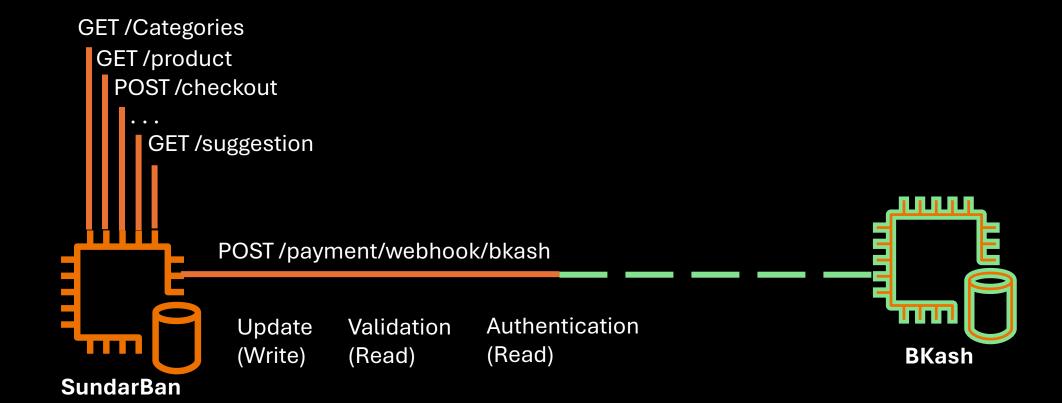
SundarBan

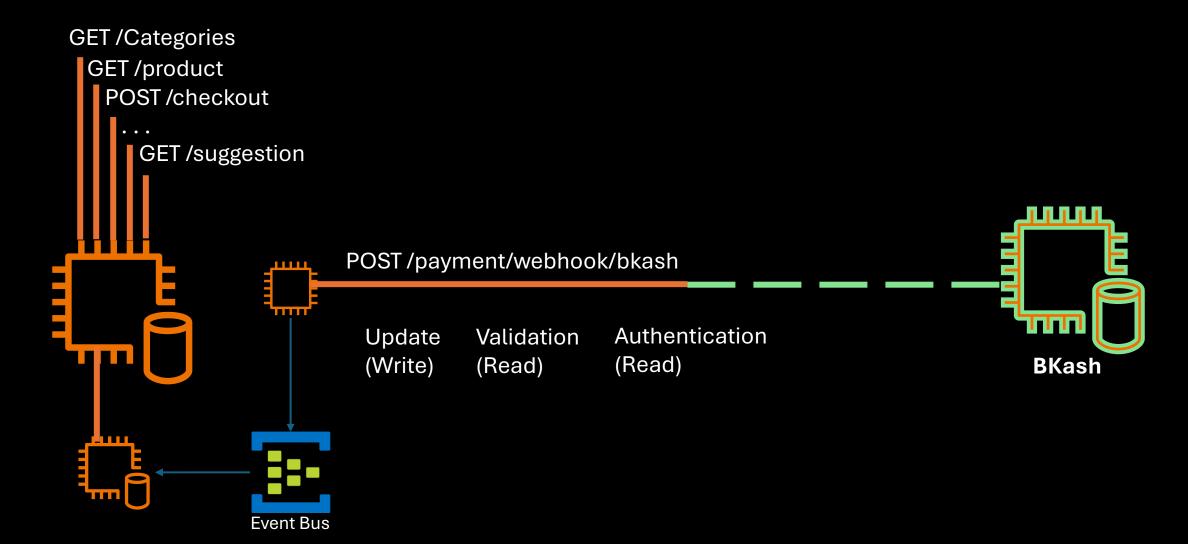
a place to buy and sell

Add Bkash as payment Gateway



Using an Even-driven solution with Microservices, the services will communicate using the Event/Message bus. Event brokers such as Kafka or RabitMQ can be used for this cloud-agnostic solution. The services will be hosted using Elastic Compute with a Network/Application load balancer. For the future, with even higher growth, database sharding and CQRS can be implemented.





SundarBan

Technical Debt

- Extra work caused by taking shortcuts in coding.
- Happens when code is written quickly but not properly
- Grows over time and slows down future development
- Needs fixing later through improvements and cleanup.

Developers Technical Document

Developers Technical Document

Risk Register

- A list of problems that might happen in a project.
- Shows how likely the problem is and its impact
- Helps teams plan how to avoid or reduce risks
- Must be updated as the project moves forward.

Practice

You are in charge of creating a catalog for the online system. The catalog page will show products. Initially it will show product based on the location of the access. If the user login, it will also show products based on their previous purchases. It will allow the user to search for product.

- Define different module for this system.
- Using diagram show how the system will work
- Define the databases (no table needed, only the database) that is involved in your system.

You only need to draw diagrams