Yosemite V3:
Future Flash Platform with E1.S Blades

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Yosemite V3 Flash Blade Platform

- Facebook has discucssed it's Yosemite V3 platforms in many forums

- The question is what is the next step?

Facebook would like to work towards contributing Yosemite V3 E1.S Flash platforms to OCP

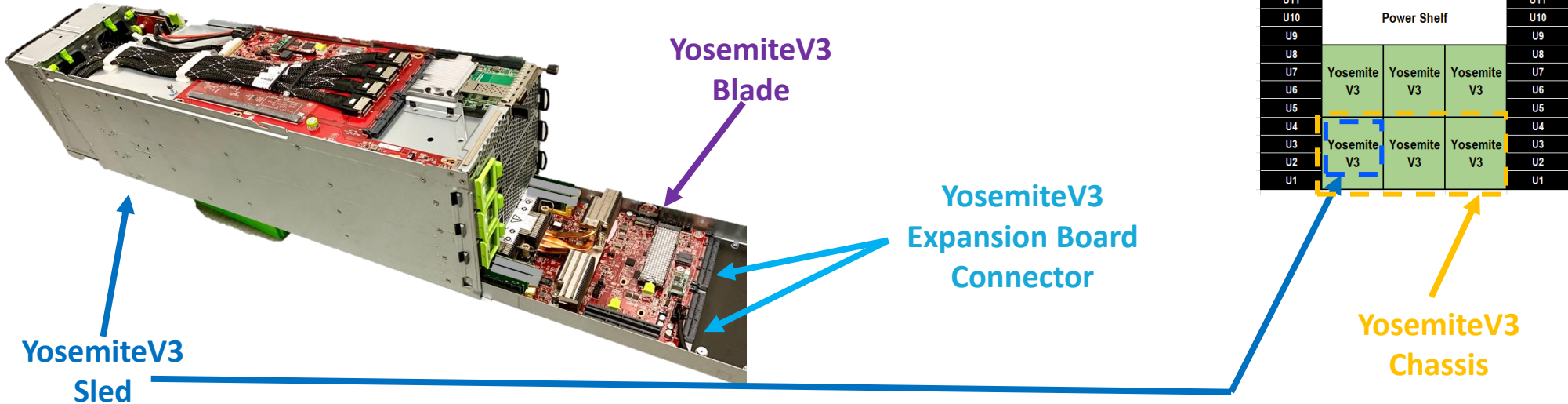4OU Chassis with twelve 1 OU blades and 48 25mm E1.S SSDs

4OU Chassis with six 2 OU blades and 24 25mm E1.S SSDs

Single Socket Rack

❖ Efficent modular approach for:

- Performance

- Density

- Power

- Scalability

- Dense racks with up to 96 blades in a single rack

YosemiteV3 Blade

YosemiteV3 Expansion Board Connector

YosemiteV3 Sled

YosemiteV3 Chassis

Yosemite V3 Hardware Platform

Compute Server Only

❖ Facebook is targeting to have draft documents for discussion on 25mm E1.S 1OU and 2OU Flash Blades by January 2021

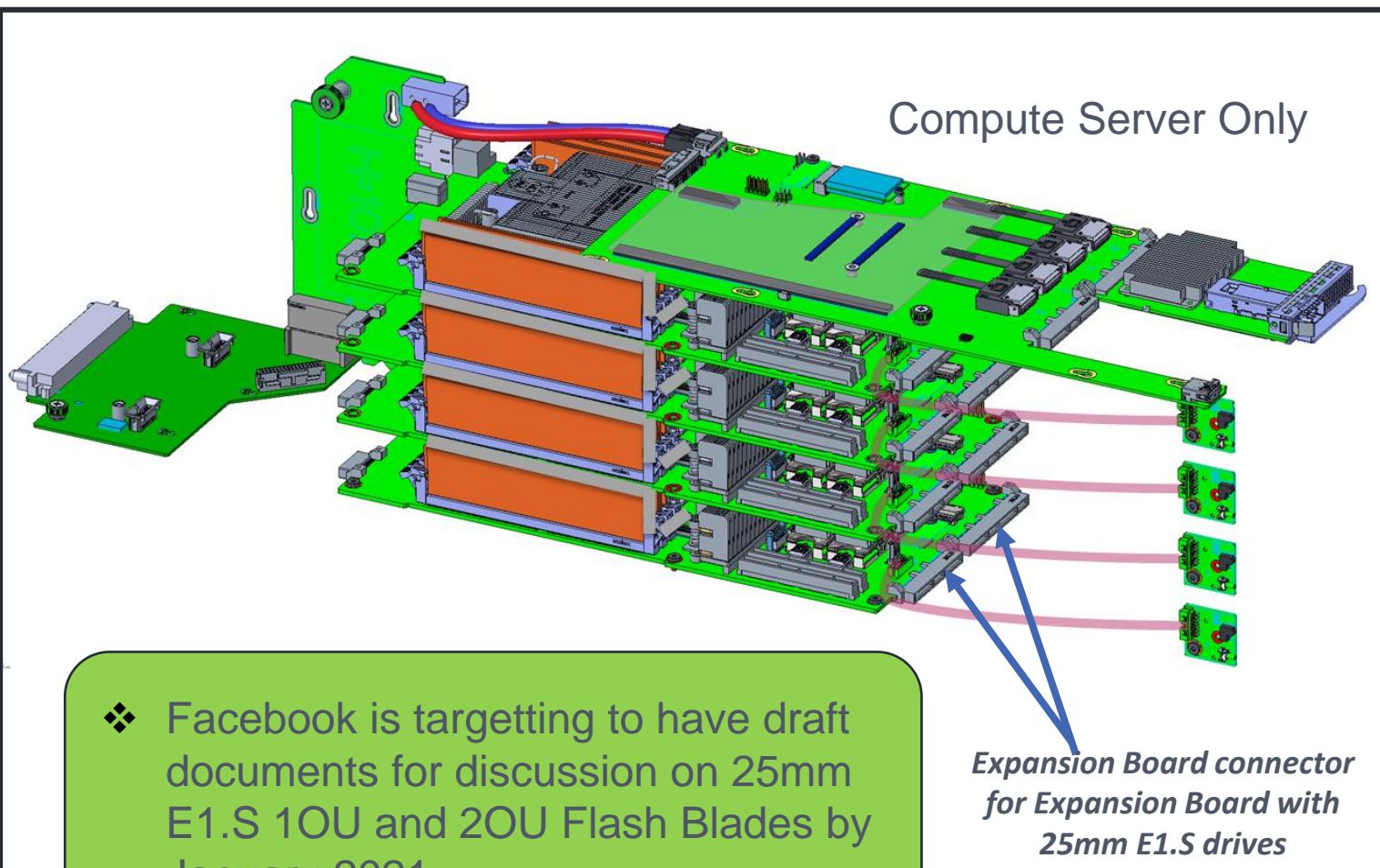*Expansion Board connector for Expansion Board with 25mm E1.S drives*

➢ *OCP Server/ Storage Documentation Guide*

➢ OCP Server Group

- Yosemite V3: FB Multi-Node Server Platform Design Specification

- Yosemite V3: Detla Lake 1S Server Design Specification

- Yosemite V3: Generic Expansion Design Specification

➢ OCP Storage Group

- Yosemite V3: E1.S 1OU Flash Blade and Expansion Board Design Specification

- Yosemite V3: E1.S 2OU Flash Blade and Expansion Board Design Specification

Thank You