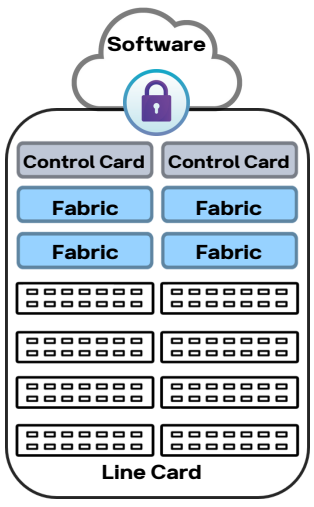
What is a

Distributed Disaggregated Chassis?



Traditional Chassis

Commonly referred to as **monolithic chassis**, it comprises of line cards, fabric cards, control cards, and protocol software.

Often requires proprietary hardware and software components with fixed physical size.

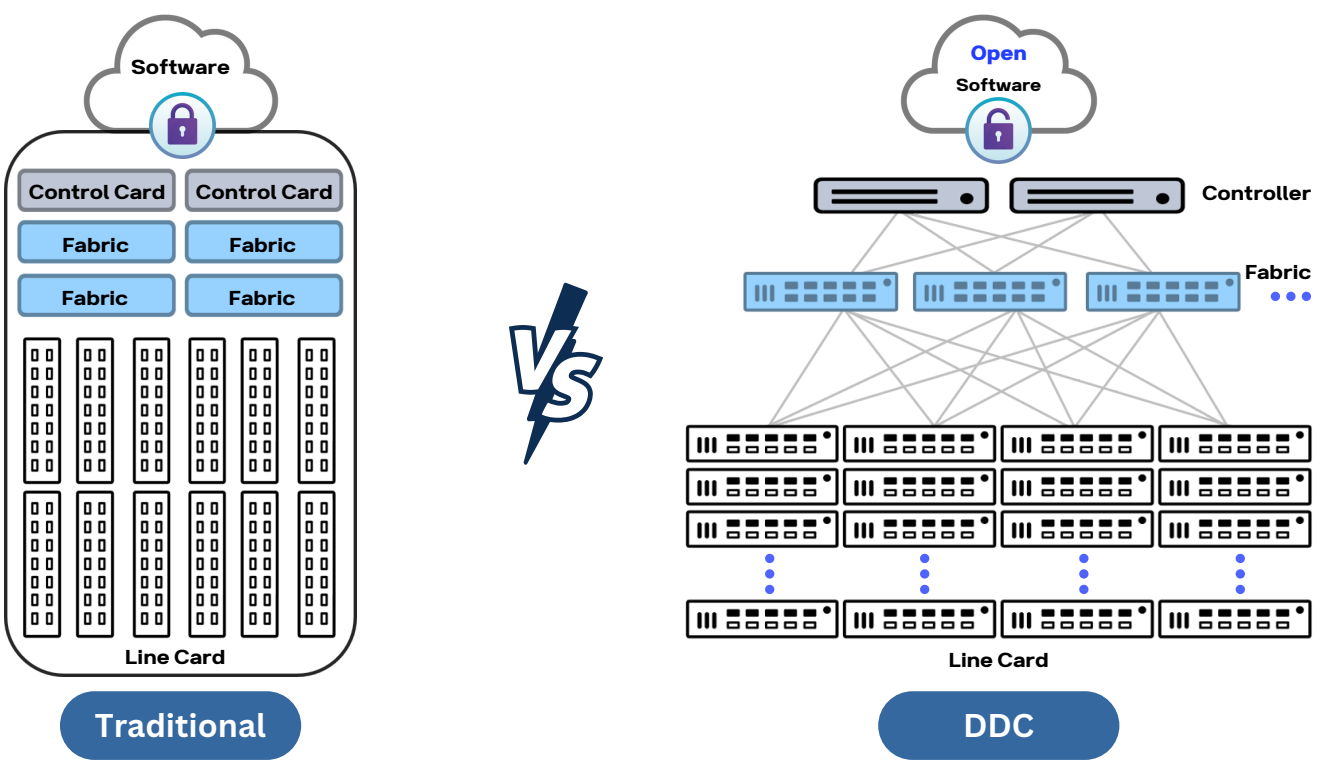
Distributed refers to when switching/routing components are **distributed into standalone boxes**, each with its own power supplies, cooling fans, CPU, chipsets, and protocol software for specific functions.

Distributed **D**isaggregated **C**hassis

Disaggregated refers to the **separation** of hardware and software.

Despite the distribution of components, there is a centralized control plane that manages and orchestrates the functions of the distributed elements as **one single virtual chassis**.

Traditional & DDC **Comparison**



via **Backplane**	**Interconnectivity**	via **Cables**
Predetermined	**Scalability**	**Scalable**
Single Vendor	**HW & SW**	**Vendor Ecosystem**

DDC **Software** Advantages

1. Resilient Software Architecture	2. Ease of Management	3. Telco-grade availability
• Cloud Native Containerized microservices	• Managed as single node	• Distributed HW & SW prevent single point-of-failure
• Dynamical services deployment	• Automated network orchestrator	• Failover protections to ensure non-stop services
• Multiple application scenarios	• Zero Touch Provisioning	• <50ms fast-reroute for unicast & multicast networks

Benefits of **UfiSpace DDC**

Lower **TCO**

Higher **Capacity**

Reliability

Openness

Empower Your Network for the Future with UfiSpace DDC Solutions

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