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The DB2Night Show Episode #76

IBM Netezza 1000 Appliance Architecture and Best Practices

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IBM Netezza Appliance – Revolutionizing Analytics



- Purpose-built analytics engine
- Integrated database, server & storage
- Standard interfaces
- Low total cost of ownership
- **Speed:** 10-100x faster than traditional systems
- **Simplicity:** Minimal administration and tuning
- **Scalability:** Peta-scale user data capacity
- **Smart:** High-performance advanced analytics

Technical Architecture



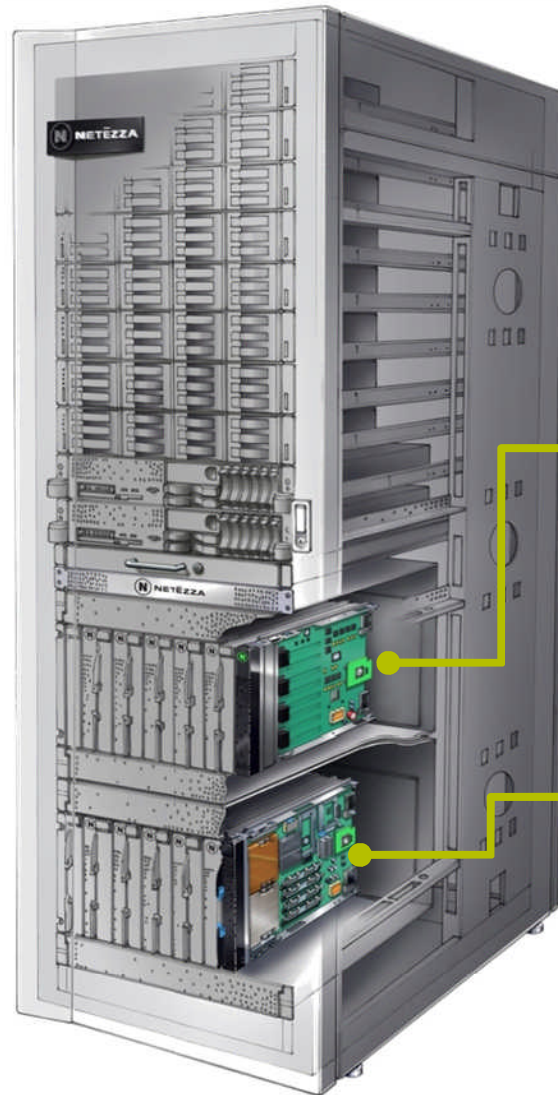
The IBM Netezza 1000 Architecture

Optimized Hardware + Software

- Purpose-built for high performance analytics
- Requires no tuning

True MPP

- All processors fully utilized
- Maximum speed and efficiency



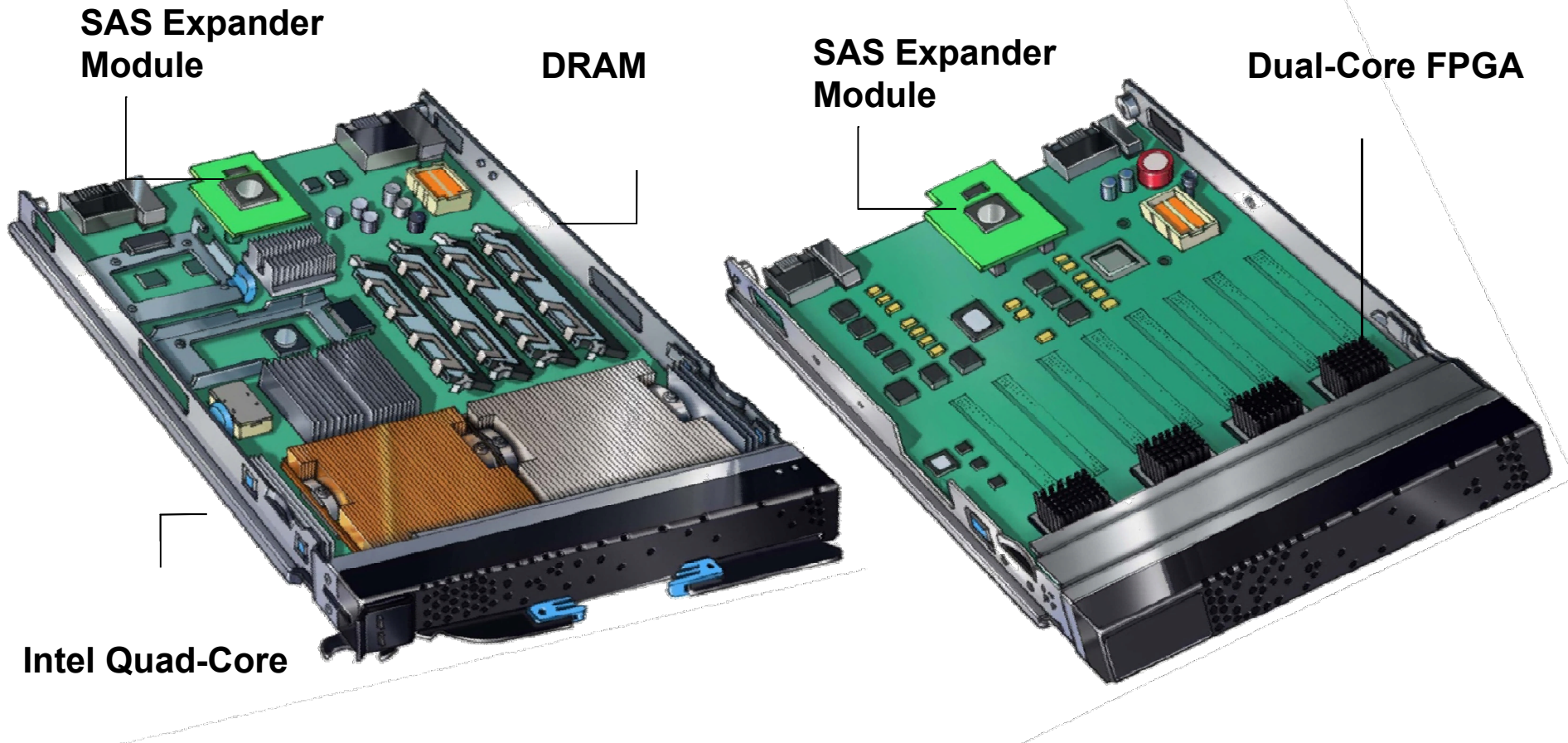
Streaming Data

- Hardware-based query acceleration
- Blistering fast results

Deep Analytics

- Complex analytics executed in-database
- Deeper insights

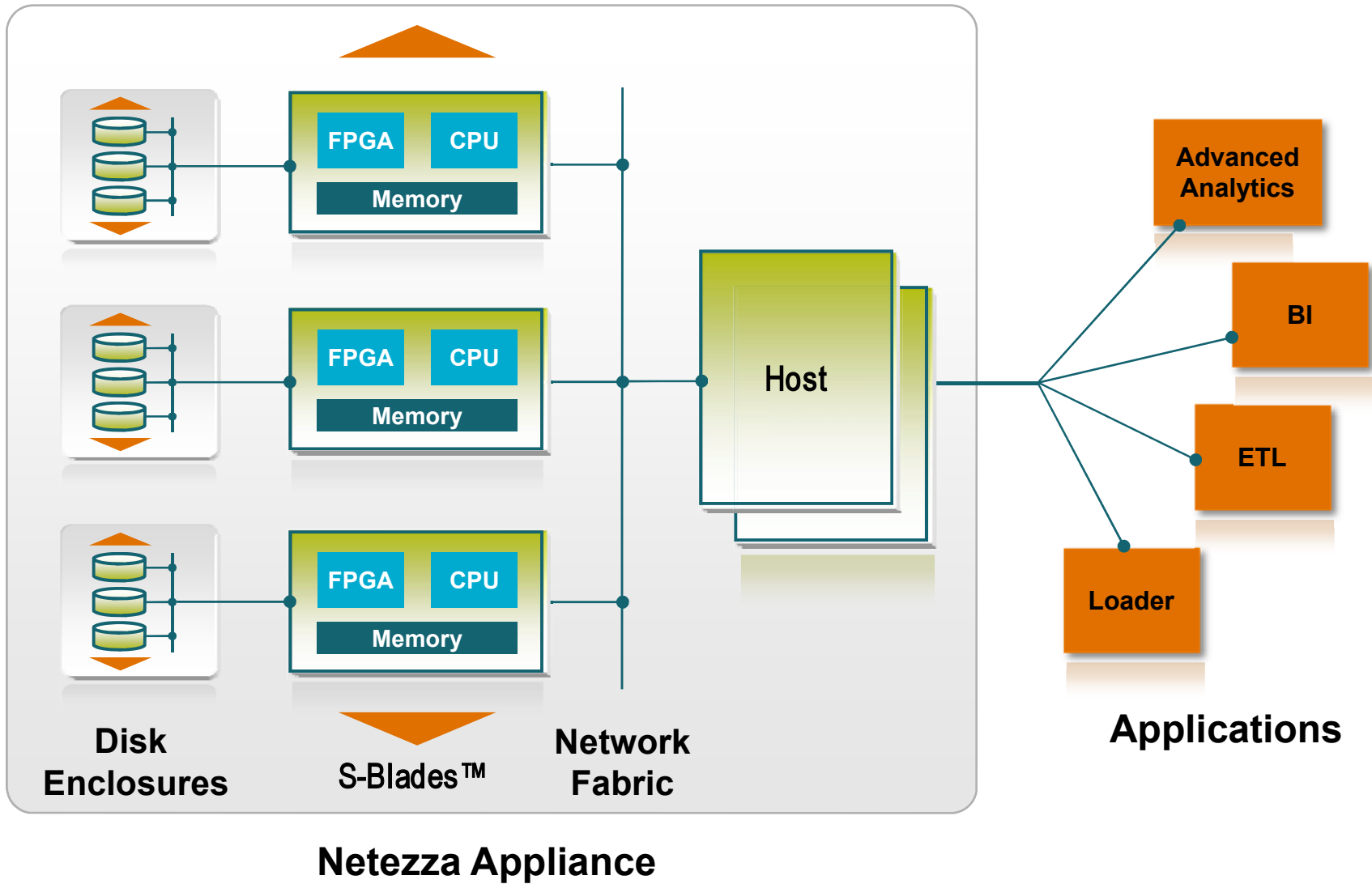
S-Blade™ Components



IBM BladeCenter Server

Netezza DB Accelerator

The Netezza AMPP™ Architecture



Netezza Appliance

Our Secret Sauce

