ONStor™

Storage Solutions for the Content Generation

TuxRx Project Overview

The Doctor is IN

Tux-Rx will cure what ails you.

ONStor™
Storage Solutions for the Content Generation

Overview

Use all available hardware resources to achieve maximum possible performance

Protocol Flexibility (FTP, HTTP, IPv6, …)

Ease future hardware introductions (10 GigE)

Flexible Hardware and Software Futures

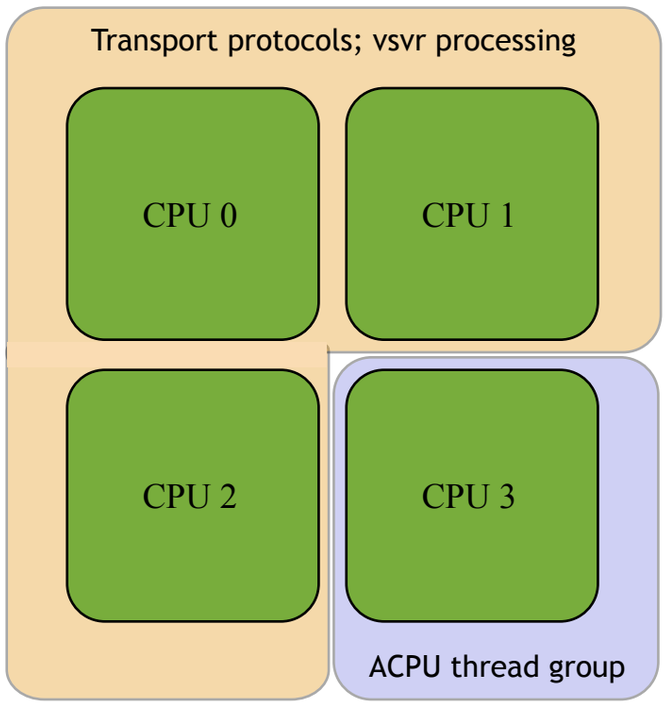
Increased Stability

ONStor™
Storage Solutions for the Content Generation

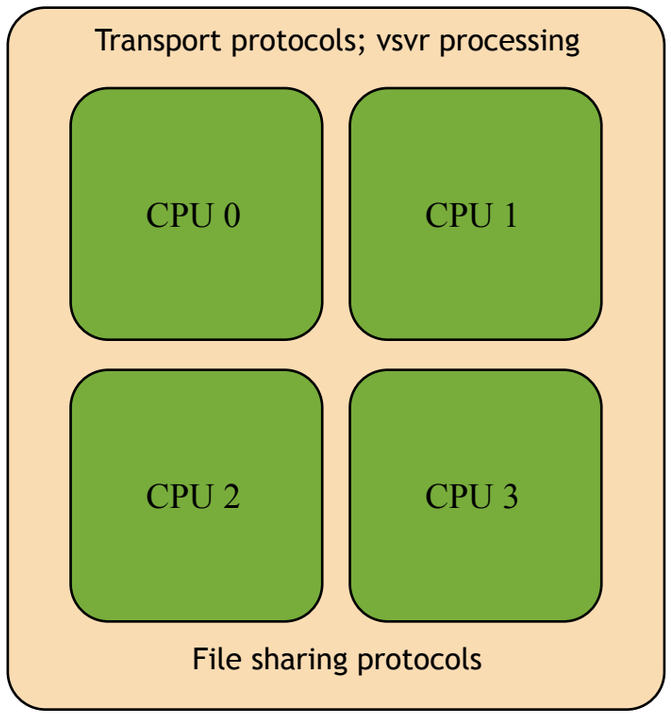
Full utilization of CPU capacity

Quad core processor software map

Stage One:



Stage Two:



ONStor™
Storage Solutions for the Content Generation

Replace Prorietary Executive with Linux on MIPS Quad Core CPU

- Greater Stability & Supportability
- Protocol agility: viable path to offer FTP, HTTP, IPv6 to customers in forthcoming releases
- Encryption, compression and ToS/QoS now available on DMIP
- Flexible hardware futures: additions like 10-GigE, different processor types (X86?)
- Flexible software development on well known, well supported programming environment (ease of development, debugging, analysis)

ONStor™
Storage Solutions for the Content Generation

Stability increases supportability

- Current software already pretty stable, but…
  - 1 Million programmers worldwide can do better
- Increased ability to export “under the hood” metrics data
- Debugging environment more mainstream instead of highly specialized
- Transport protocols are multithreaded, allowing scalability to follow hardware
- Superior environment to convert file sharing protocols to multi-threaded design

ONStor™
Storage Solutions for the Content Generation

ONStor™

Storage Solutions for the Content Generation

www.onstor.com