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Storage Solutions for the Content Generation

Onstor Linux Roadmap

The Doctor is IN

The medicine that cures...

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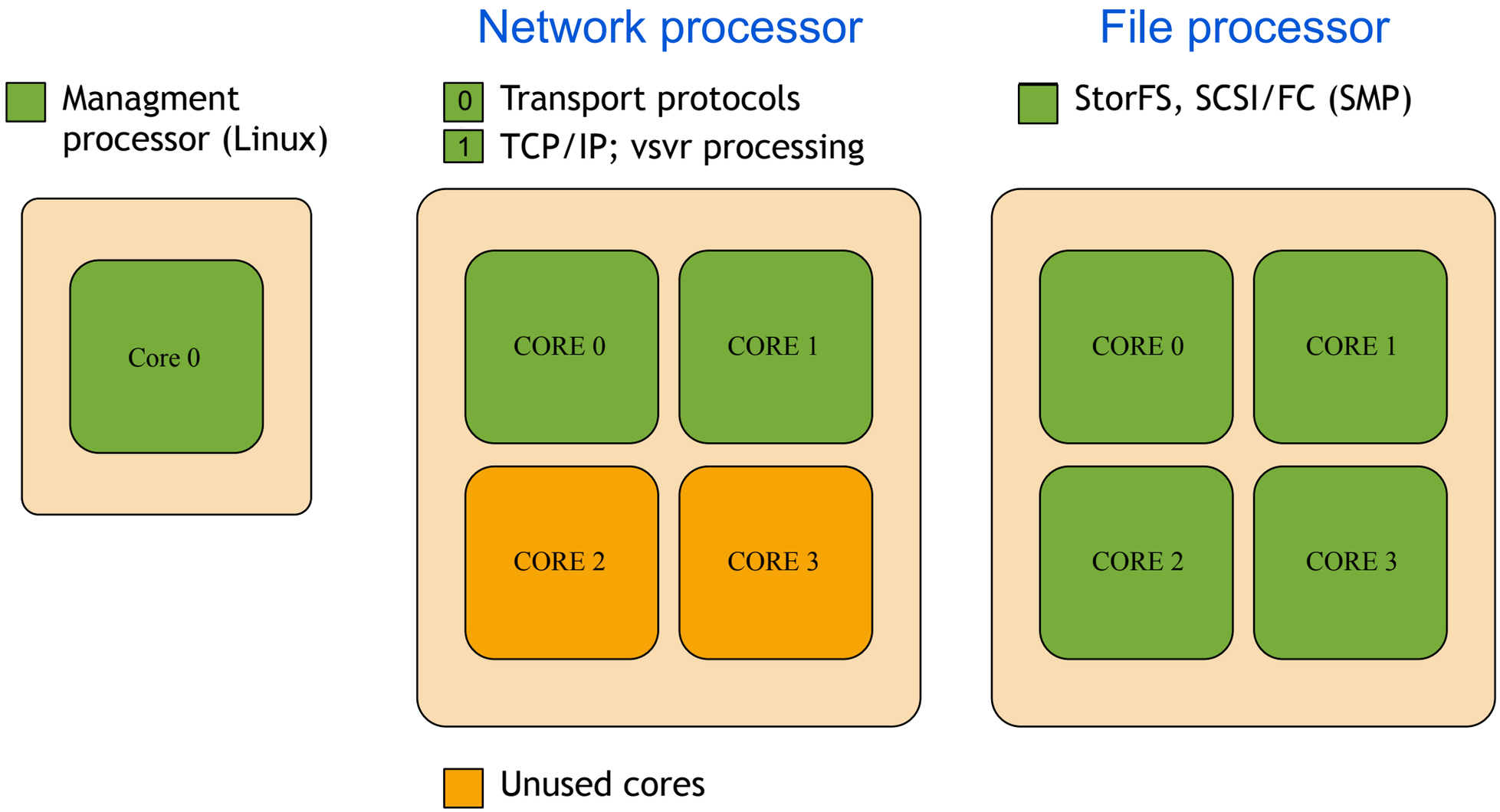
Cougar CPU Utilization Today

Current day CPU core utilization on Cougar platform



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Overview

Use all available hardware resources to achieve maximum possible performance (TuxRx)

Protocol Flexibility (FTP, HTTP, IPv6, …)

Hardware flexibility (X86_64, IA64, Mips, ARM, multi-core, blades, farms...)

Software flexibility (Open Source leveraging model for fast innovation and partnering)

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Overview

Stage 1: TuxRx Project: move file sharing protocols and networking processor to Linux. Performance increase target 10-15% Spec Ops.

Stage 2: TuxFP Project: All Cougar running Linux - EverOn now hardware agile

Stage 3: ZFS on Linux

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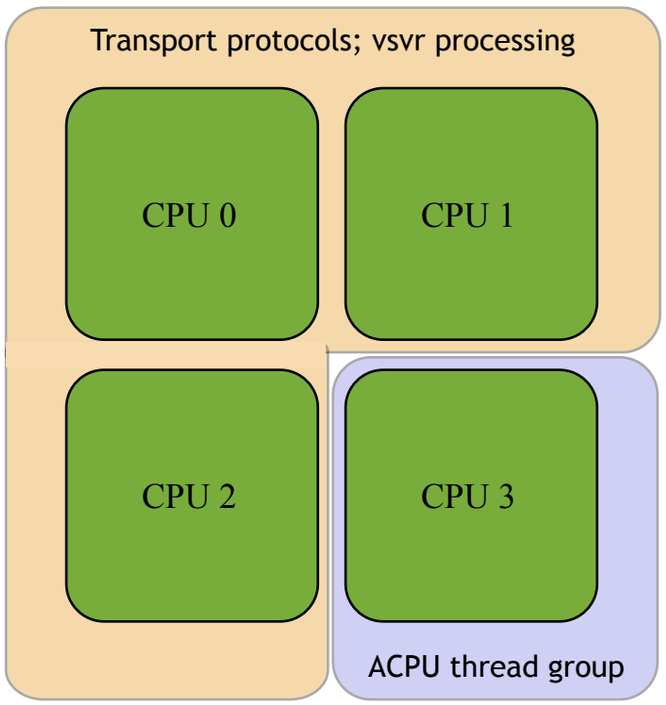
Stage 1: Full utilization of network CPU capacity

TuxRx Project: Linux and file sharing protocols on network processor

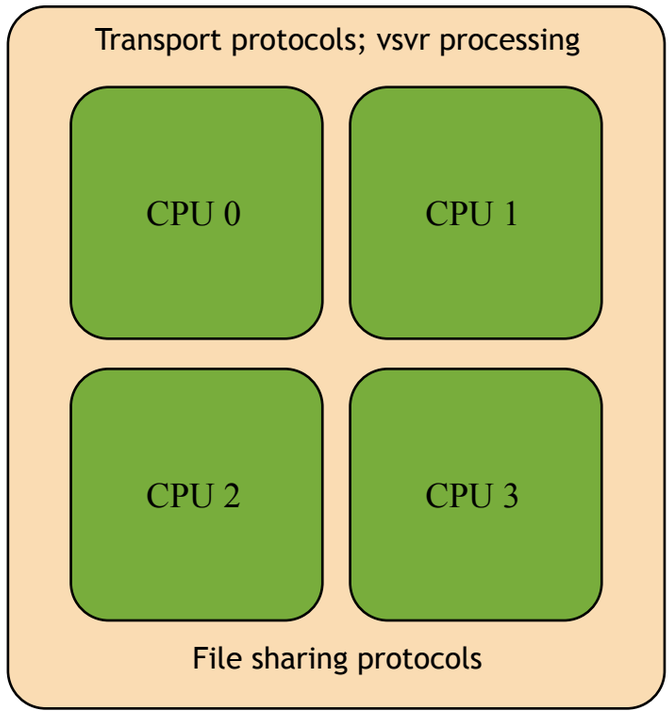
Project sub-part one:

Target goal: 10-15% Spec Ops



Entire processor running Linux; ACPU thread is dedicated to core 3

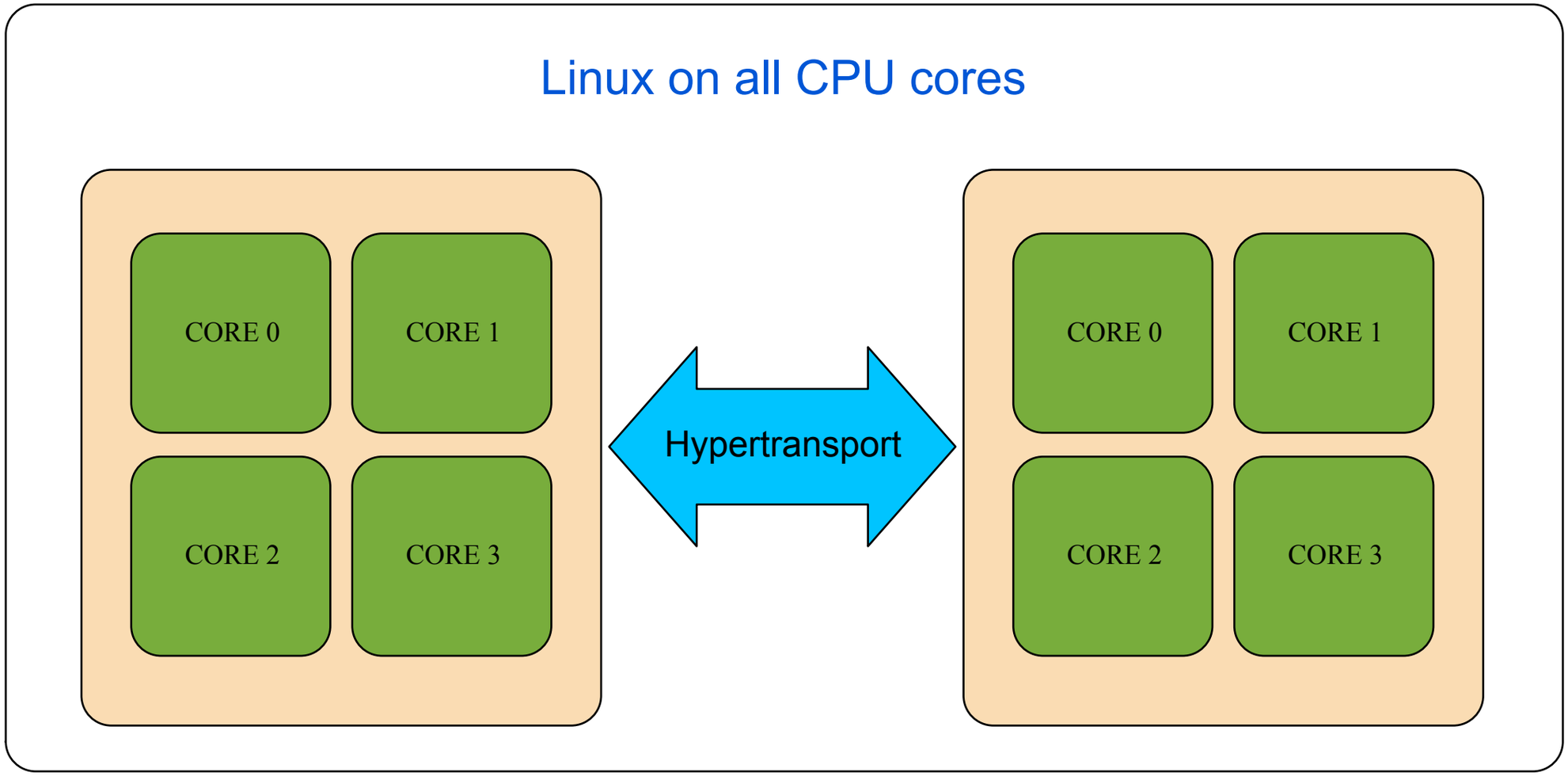
Project sub-part two:



NFS/CIFS protocols multithreaded with no dedicated CPU cores

Stage 2: EverON Software now 100% Linux based

TuxFP Project: All of Cougar now running Linux



Can now use any hardware Linux runs on.

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Stage 3: ZFS on Linux

- Customers can choose from two product lines:
  - High Performance:
    - High Efficiency
    - Green computing: low power footprint
  - Low-mid performance
    - ZFS filesystem based
    - Ultra feature rich
    - lower cost storage options
- Just a “button click” to produce a product with one or the other
-

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Resources & Timelines

Stage 1: TuxRx Project: expected to begin customer shipments in Q3 timeframe with current resources.

Stage 2: TuxFP Project: customer shipments starting in Q2 ’10, 2 additional developers, 3 additional QA engineers, 1 additional marketing ops person.

Stage 3: ZFS on Linux: customer shipments in Q4 ’10; 2 additional developers; 4 additional QA engineers; 2 additional marketing ops.

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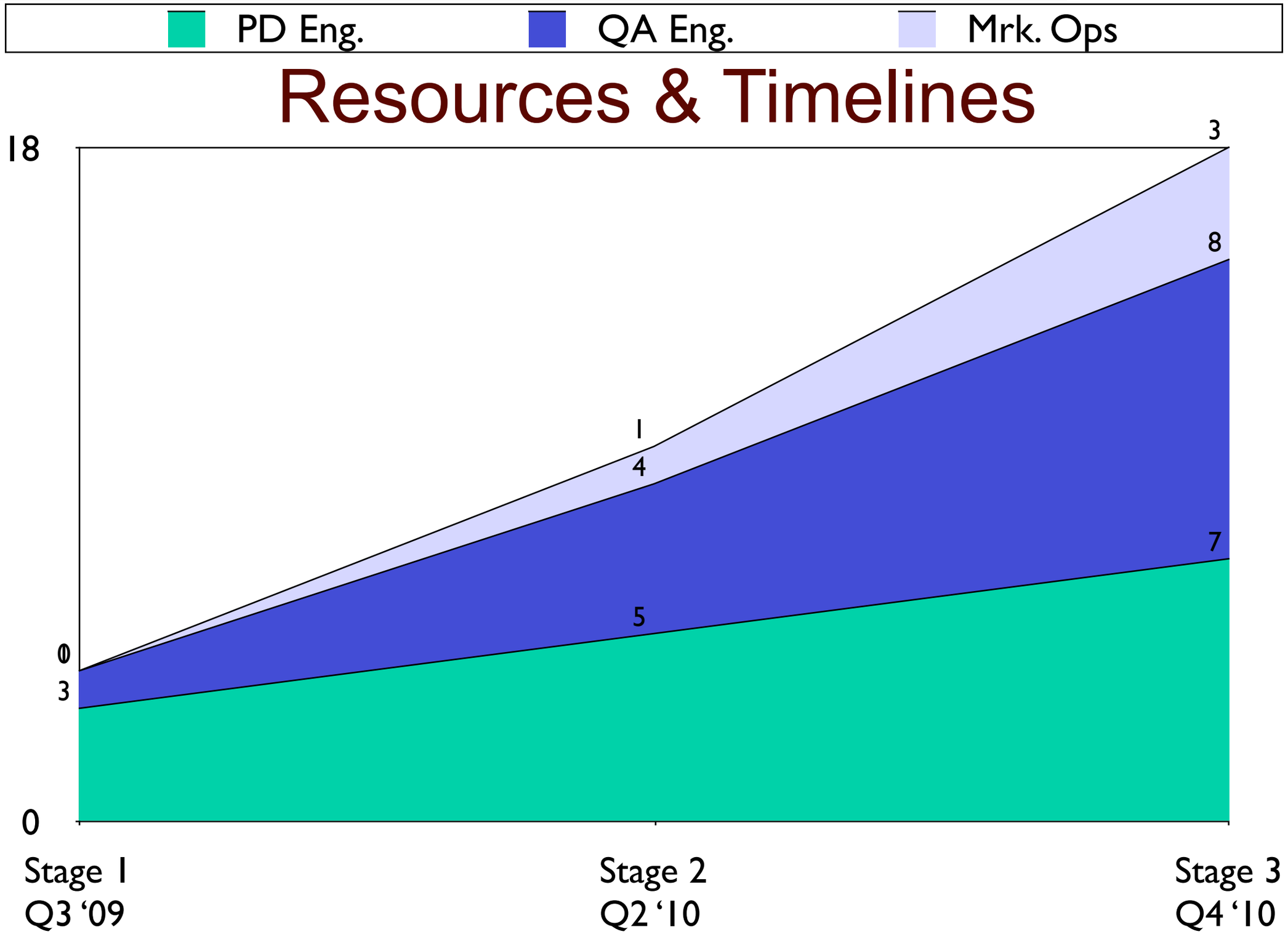

Accelerated Timeline

Stage 1: TuxRx Project: expected to begin customer shipments in Q3 timeframe with current resources.

Stage 2 &3 : TuxFP Project and ZFS on Linux in parallel: customer shipments starting in Q1 - Q2 ’10, 5 additional developers, 8 additional QA engineers, 2 additional marketing ops.

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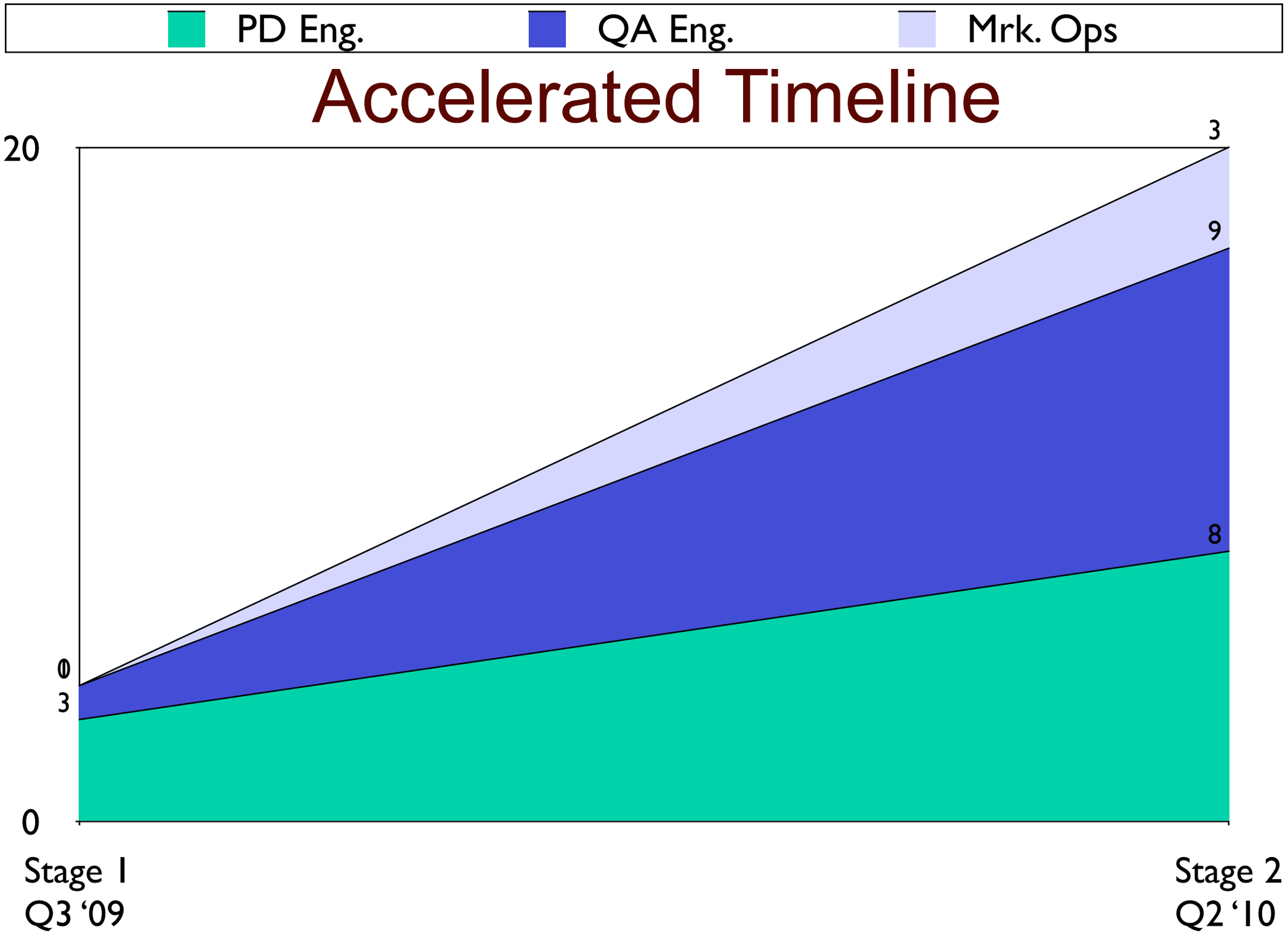
Onstor Linux Roadmap



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