



i n v e n t



i n v e n t

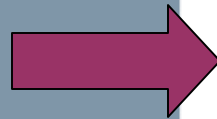
UNIX
SERVER
OVERVIEW

Expectations



Your Environment
(worry-free business critical computing)

- easily managed
- highly stable
- scalable & secure
- HP as a trusted partner
- a strong ISV community



HP UNIX Server Value Proposition

- Painless & pervasive management
- Continuous and secure operation
- Optimal resource utilization
- Foundation for the future

high-end

PA-8700



Superdome

mid-range

PA-8700



rp7410

PA-8700



rp8400

Itanium



rx9610

entry-level



A-class

PA-8700



rp5400
series

Itanium



rx4610

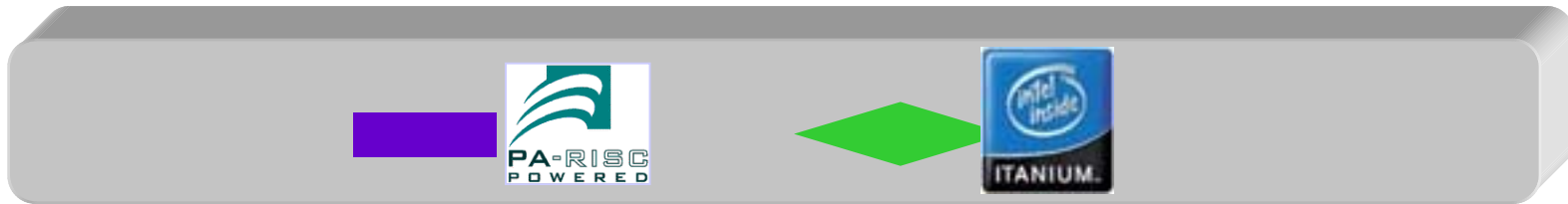
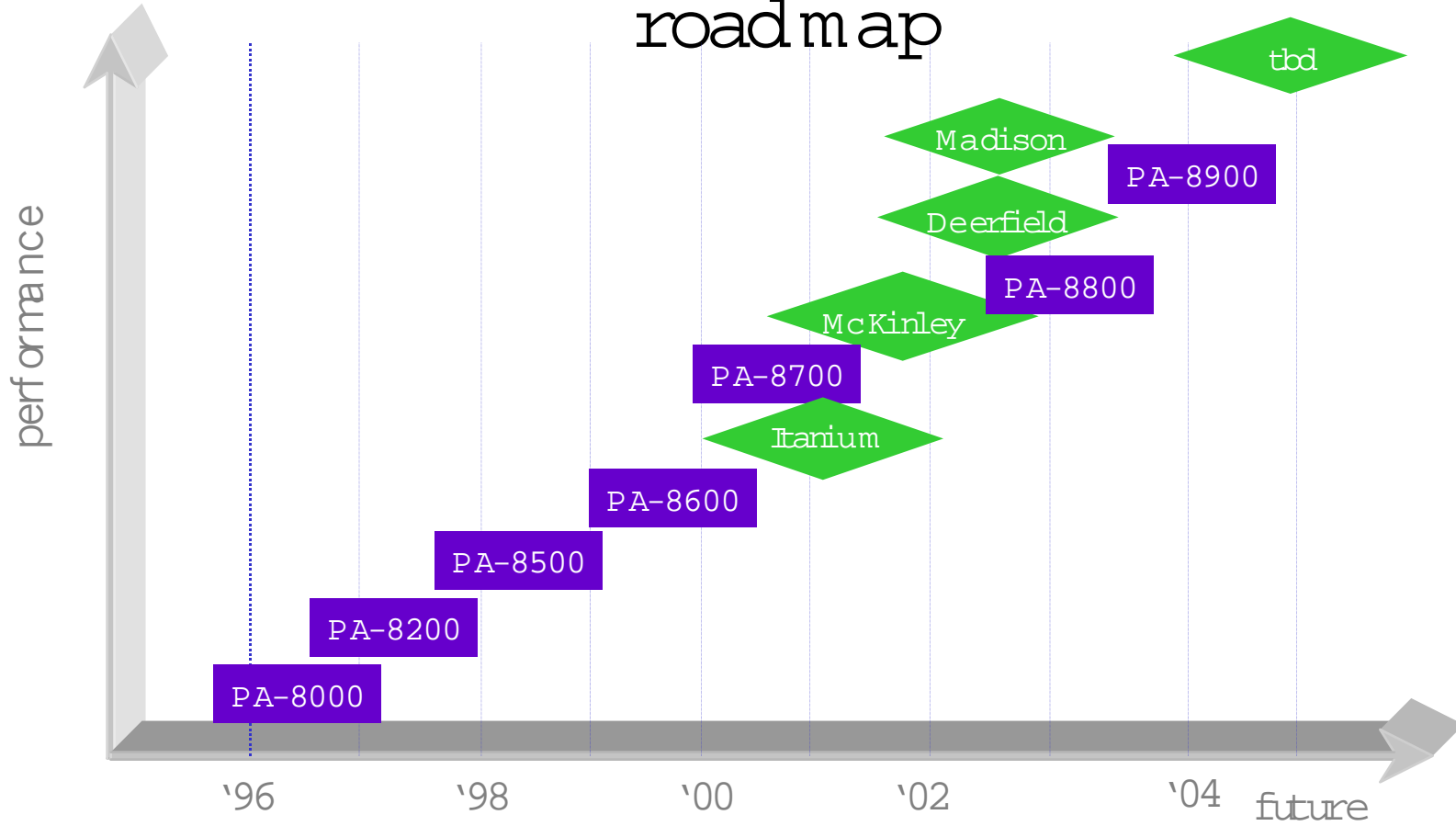


blades

hp unix
server family

the best product family in the
world

hp pa-risc/itf processor road map



HP-UX 11i Release Schedule

1999

2001

2003

2005

2007

hp-ux releases timelines for PA-RISC and Itanium

hp-ux 11.0

hp-ux 11i

hp-ux 11i
version 1.5

hp-ux 11i
version 1.6

hp-ux 11i
version 2

hp-ux 11i
version 3

hp-ux 11i
version 4

PA-RISC ONLY

Itanium ONLY

PA-RISC and Itanium

Now
Shipping

One major
release
every 18 -
24 months

Binary Compatibility (same level as HP-UX 11.00 to HP-UX 11i)

software platform of choice

network
connection

**access
services**

**application
services**

**database
services**

decision
criteria

- applications
- customization

- applications
- flexibility
- scalability

- applications
- scalability
- mission critical

preferred
platform



common tools and infrastructure

Expectations



Your Environment
(worry-free business critical computing)

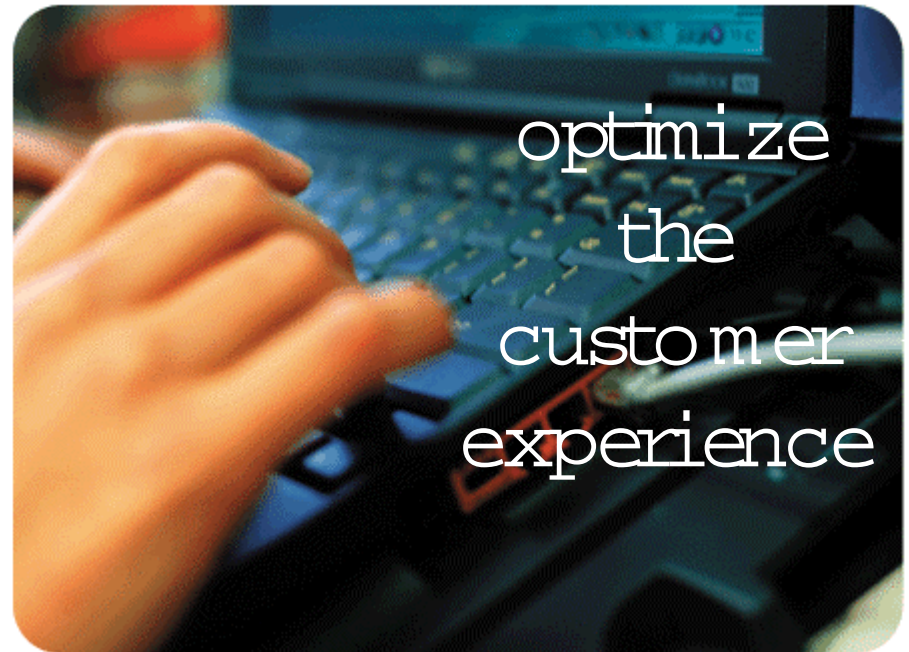
- easily managed
- highly stable
- scalable & secure
- HP as a trusted partner
- a strong ISV community



HP UNIX Server Value Proposition
(AOII)

- Painless & pervasive management
- Continuous and secure operation
- Optimal resource utilization
- Foundation for the future

hp manageability
in the
utility computing age



–fastest time-to-market

- dynamic resource provisioning

- rapid deployment

–highest quality of service

- service level management

- optimized workload management

–optimum Total Cost Ownership

- utility pricing management

- multi OS management

- increased productivity
(OS image to admin ratio)

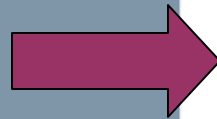
- optimized systems utilization

Expectations



Your Environment
(worry-free business critical computing)

- easily managed
- highly stable
- scalable & secure
- HP as a trusted partner
- a strong ISV community



HP UNIX Server Value Proposition
(AOII)

- Painless & pervasive management
- Continuous and secure operation
- Optimal resource utilization
- Foundation for the future

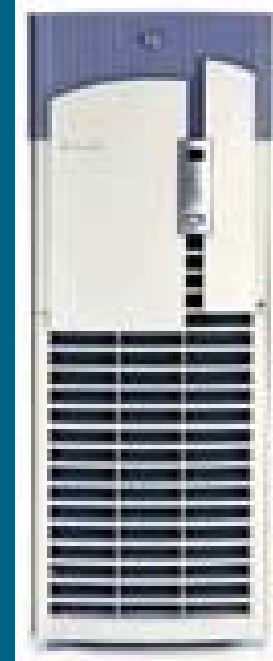
The *ONLY* servers to receive the Uptime Institute's certification without deviations.



rp7410



rp8400



Superdome



Expectations



Your Environment
(worry-free business critical computing)

- easily managed
- highly stable
- scalable & secure
- HP as a trusted partner
- a strong ISV community



HP UNIX Server Value Proposition
(AOII)

- Painless & pervasive management
- Continuous and secure operation
- Optimal resource utilization
- Foundation for the future

Why is partitioning important?

Pressure to offer service level guarantee at reasonable costs

Under utilization of servers

Address high fluctuation of Web and App traffic

Flexibility with privacy and high availability



HP partitioning customer benefits

Meet service level agreements with best return-on-investment

80-90% + Utilization of compute power

Fast and dynamic implementation of hanging requirements

“right” level of application isolation with uptime

hp partitioning continuum for always-on technical positioning

Hard Partitions
with multiple nodes

Hard Partitions
within a node

Virtual Partitions
within a hard partition

PRM with psets
resource partitions within
a single OS image

**hp
hyperplex**

nPartitions

**Virtual
partitions**

PRM
(Process Resource
Manager)

- complete hardware and software isolation
- node granularity
- multiple OS images

- hardware isolation per cell
- complete software isolation
- cell granularity
- multiple OS images

- complete software isolation
- CPU granularity
- dynamic CPU migration
- multiple OS images

- dynamic resource allocation
- share (%) granularity
- 1 OS image

hp-ux wlm (workload manager)

- automatic goal-based resource allocation via set SLOs

Isolation
highest degree of separation

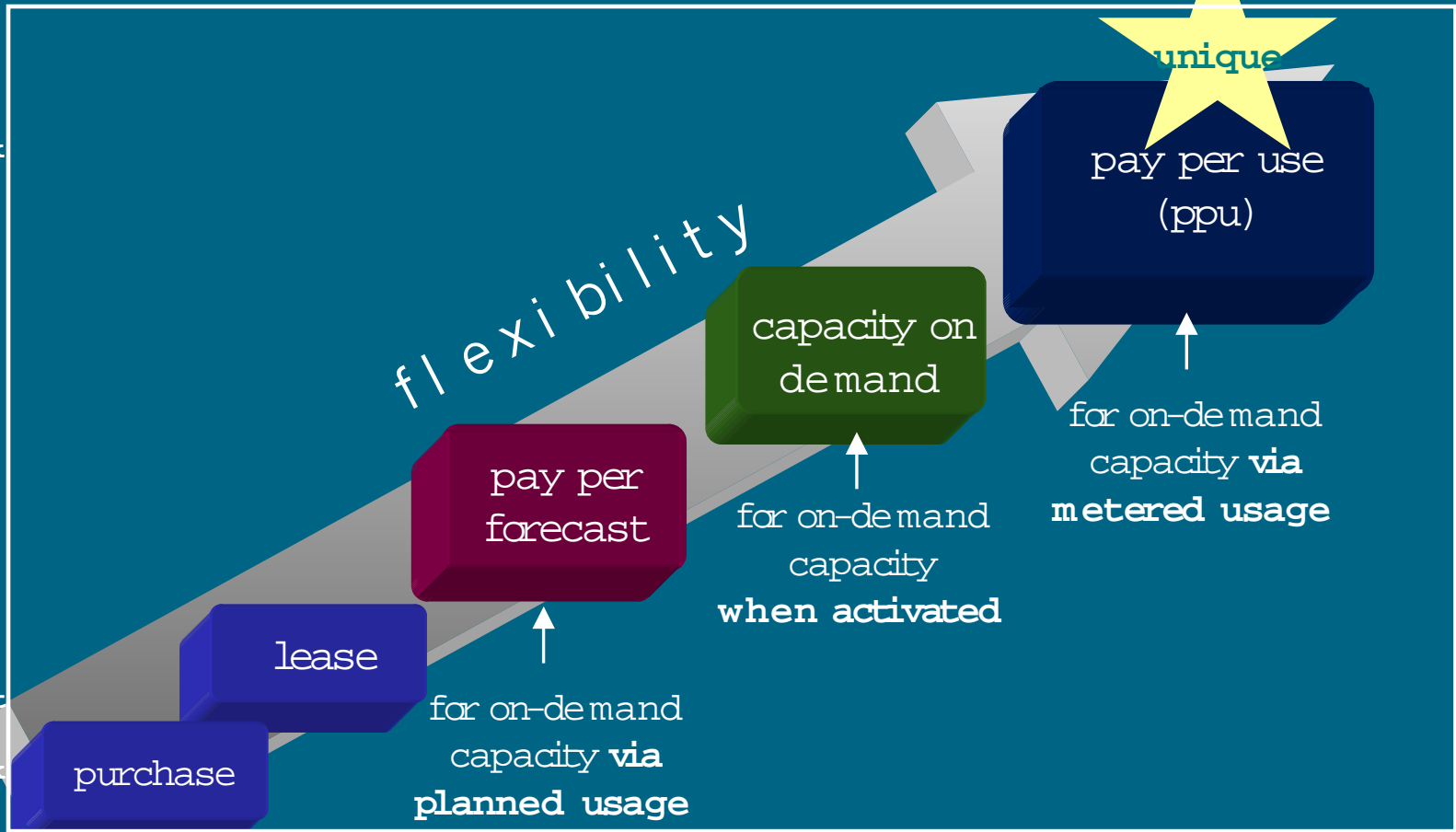
Flexibility
highest degree of dynamic capabilities

hp utility pricing portfolio

Maximize
Cash Flow
Share
Business Risk

Financial
challenge

Minimize Cost
Own
Business Risk



Capacity Demand Predictability challenge

Highly Certain
Minimal Excess Needed
Low Capacity Variability

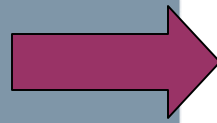
Highly Uncertain
Unlimited Excess Needed
High Capacity Variability

Expectations



Your Environment
(worry-free business critical computing)

- easily managed
- highly stable
- scalable & secure
- HP as a trusted partner
- a strong ISV community



HP UNIX Server Value Proposition
(AOII)

- Painless & pervasive management
- Continuous and secure operation
- Optimal resource utilization
- Foundation for the future

Commitment to hp-ux

Commitment to hp-ux
Commitment to IPF

hp-ux

- HP is one of the largest UNIX vendors in the world with nearly two million systems installed
- leads the market in performance and scalability, mission critical availability, end-to-end manageability and OS security.
- HP today leads the market with over 50,000 mission critical installations worldwide. strategic alliances and relationships with the ISV community (over 16,000 applications)

IPF

- hp's multi-o/s strategy
- broadest product portfolio in the industry
- investment protection
- innovative Itanium rental/leasing programs
- comprehensive Itanium support and services
- co-inventor of Itanium
- and with this unique insight, hp will offer the best Itanium solutions in the industry



i n v e n t