

CHARON and “real life”

Bad Homburg,
8./9. November 2012

Thomas Siebold

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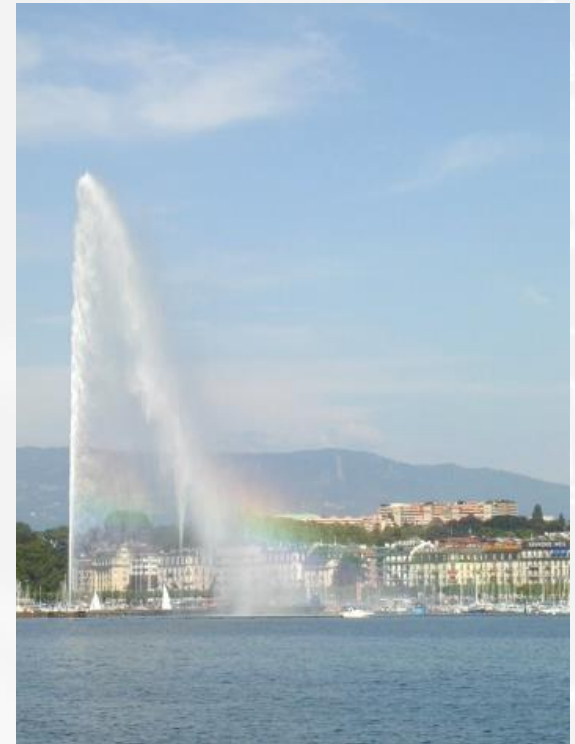
Who is Stromasys SA

A short Overview

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Stromasys

- Established in 1998 through a management buyout of Digital Equipment Corporation's (DEC) European Migration and Porting Centre
- Based in Geneva, Switzerland, thousands of users, in more than 50 countries
- Over 4,000 customers world-wide
- In-depth expertise in OpenVMS and Tru64



Company structure



Geneva, EMEA



Raleigh NC, NMSA



HongKong, APAC



Geneva
HQ

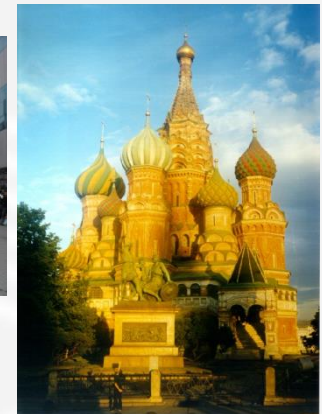


Eindhoven
Support

Engineering



Shenzhen



Moscow



What is Charon ?

...very short...



CHARON

- In [Greek mythology](#), **Charon** or **Kharon** ([/'kɛərən/](#) or [/'kɛərən/](#); [Greek](#) Χάρων) is the ferryman of [Hades](#) who carries souls of the newly deceased across the rivers [Styx](#) and [Acheron](#) that divided the world of the living from the world of the dead.



Hardware is old, outdated or beyond EOL

Customers are experiencing:

- Increased failure of physical hardware
- Significant increase in downtime and operational costs
- Higher maintenance and warranty costs
- Limited inventory of spare parts and refurbished hardware

But, the applications are still doing their job and may not need to be replaced or ported

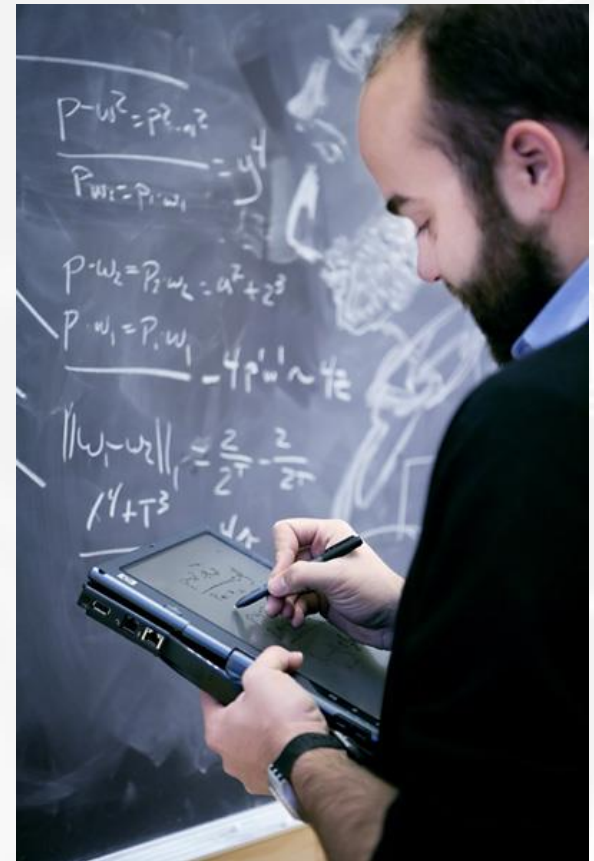


The traditional solution

Software migration, porting and rewriting

May be the best option (Plan “A”) in some cases, but:

- Migration can be expensive, labor intensive and risky
- Source code for current system may not be available or up to date
- Porting or rewriting applications laborious & time consuming

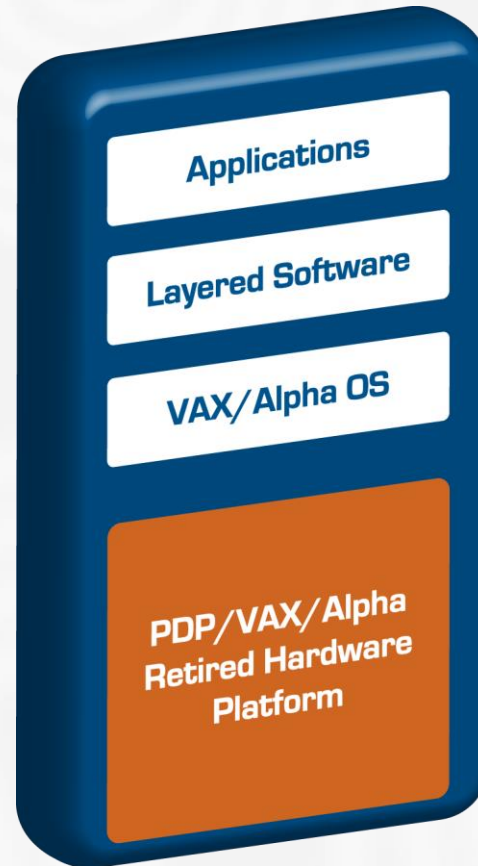


Plan B: Hardware Virtualization

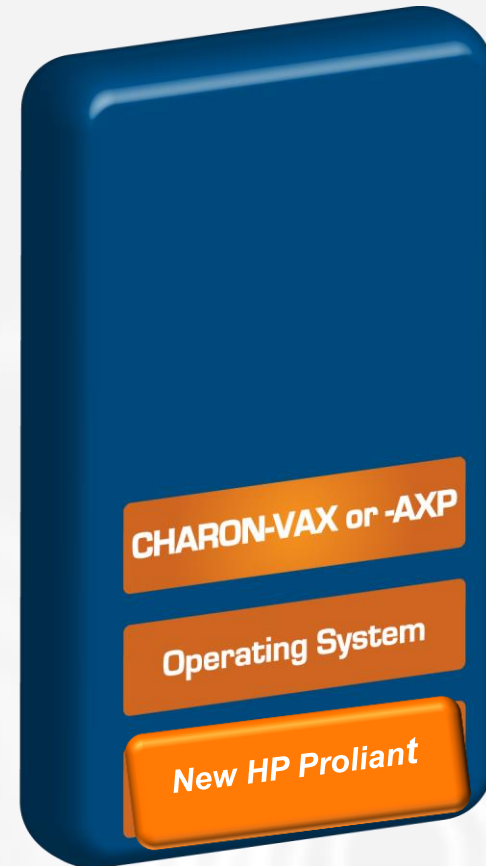
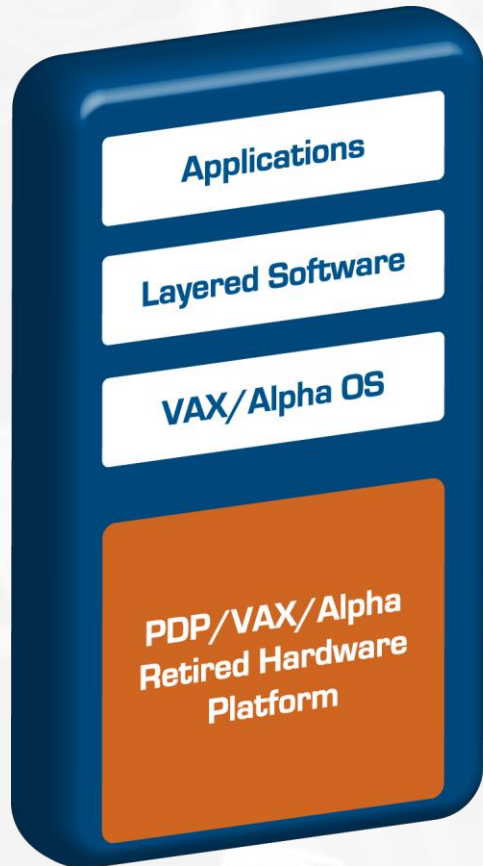
1-on-1 Replacements or Server Consolidation



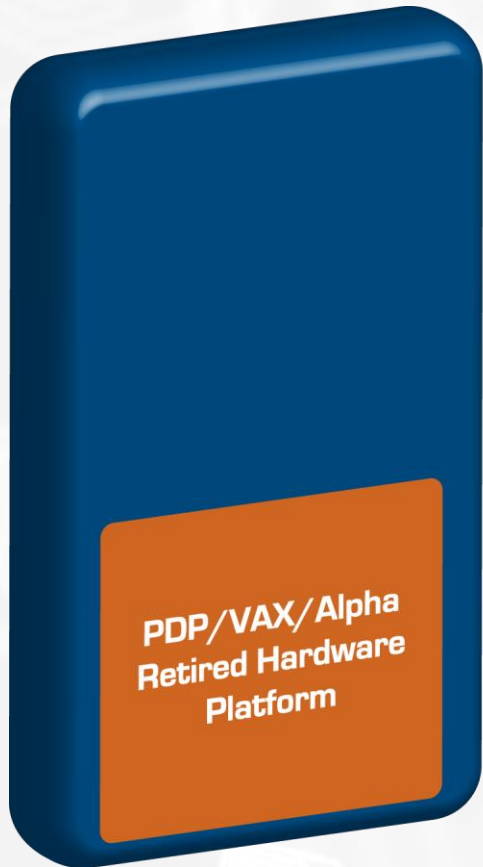
Cross-Platform Virtualization: The Principle



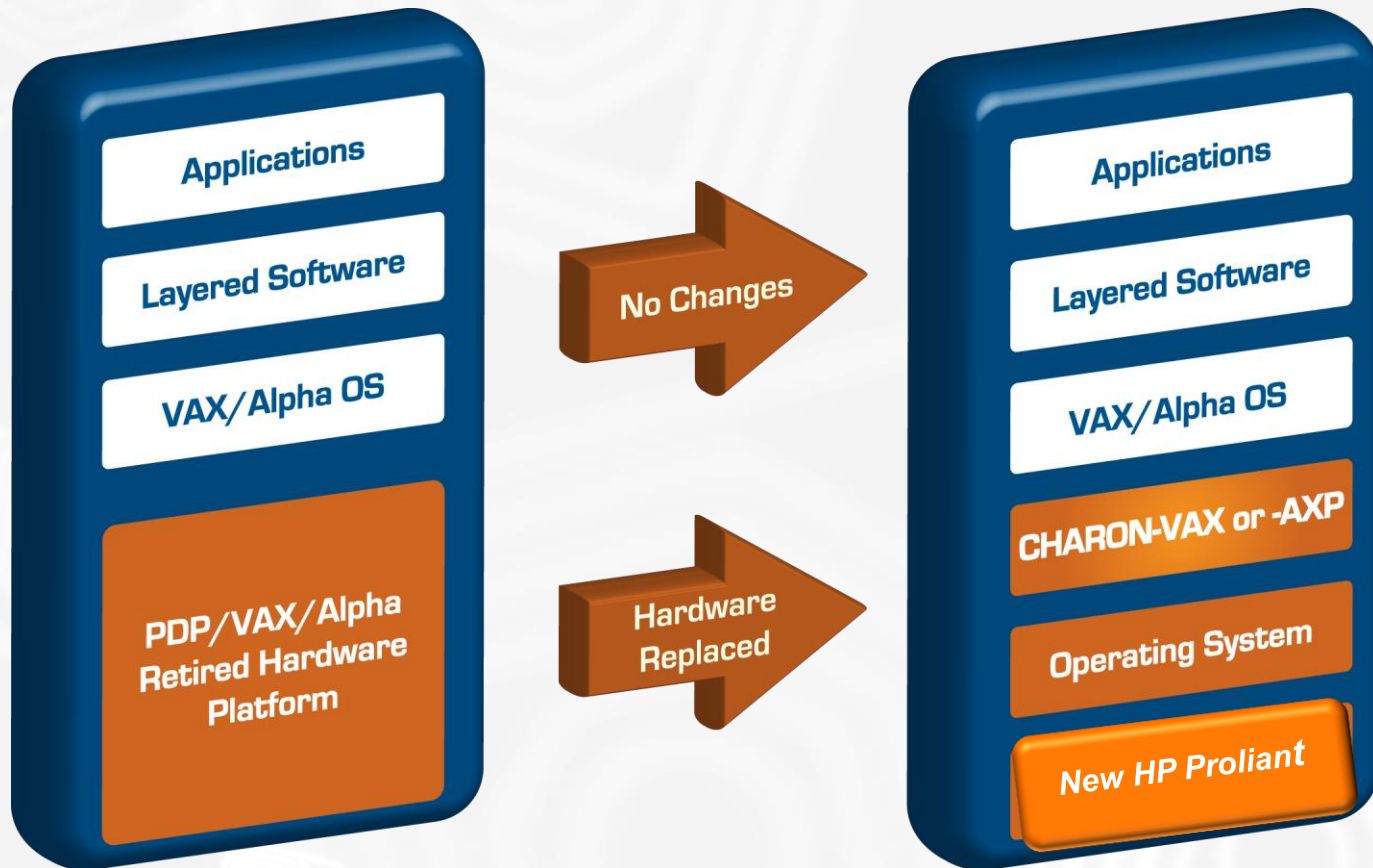
Cross-Platform Virtualization: The Principle



Cross-Platform Virtualization: The Principle



Cross-Platform Virtualization: The Principle



Cross-platform Server Virtualization for VAX and Alpha systems

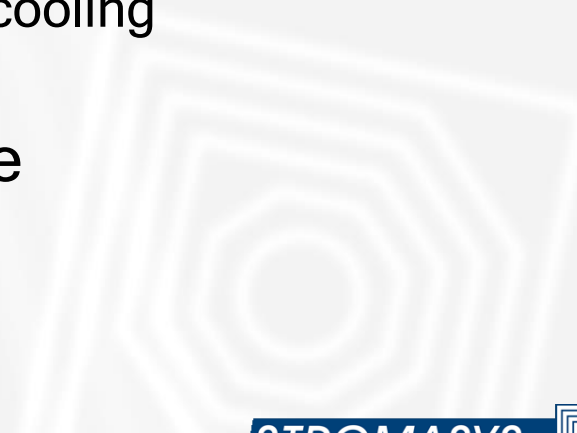
With CHARON-VAX and CHARON-AXP hardware virtualization
Hardware virtualization at the server level

- No VMS emulation
- No Tru64 emulation
- No VMS or Tru64 patching
- No emulation of any component of software stack



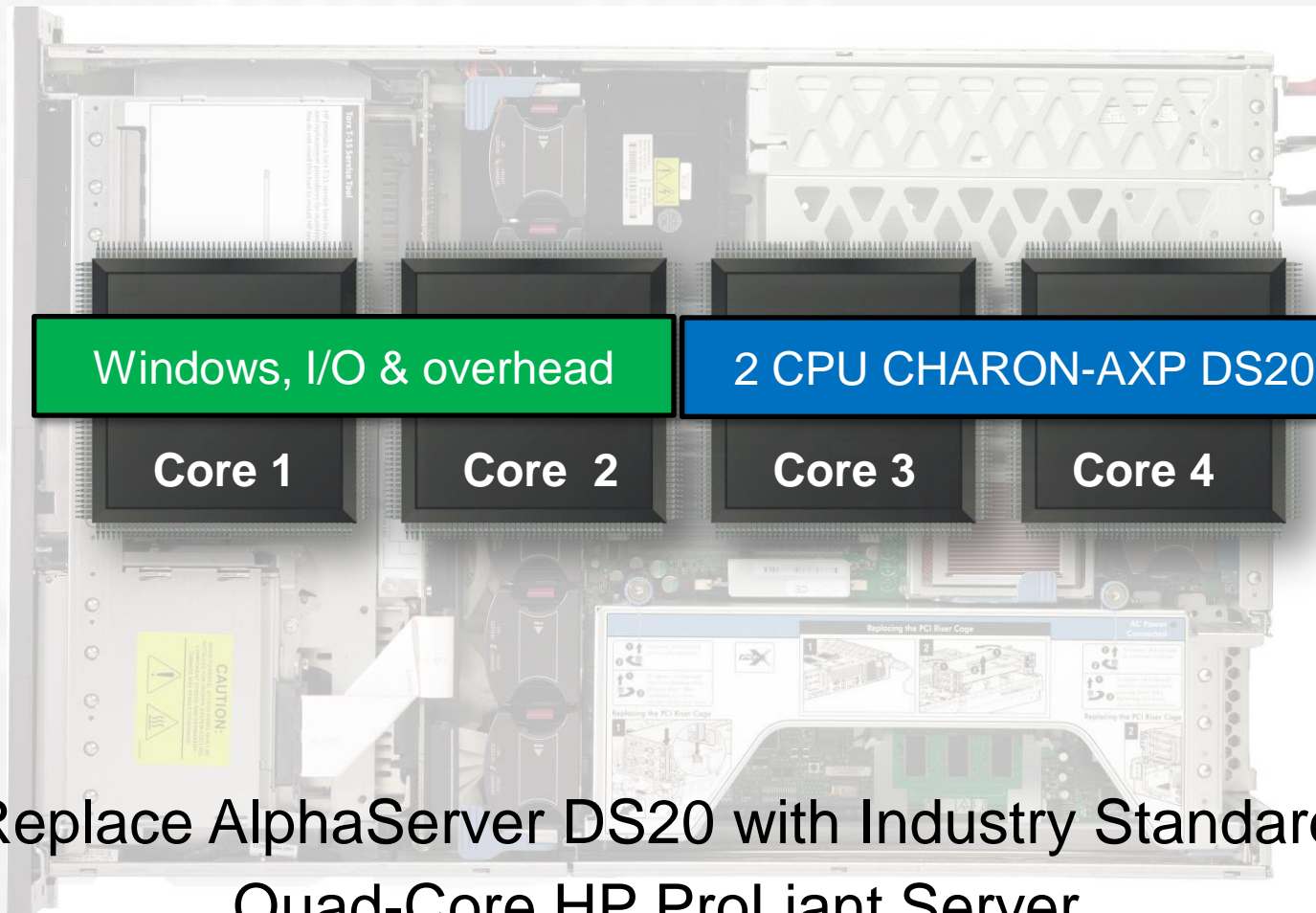
Customer Benefits

- Increases performance with modern CPUs, storage systems, and networks
- Preserves current investments
 - Keep current applications and business processes
 - No re-training or re-staffing
 - No impact on day-to-day operations
- Reduces cost of ownership
 - Reduced footprint, energy consumption, cooling needs
- Minimum effort and low risk to migrate
- Tangible ROI on new platform



Virtualization Options: 1 to 1 Replacement

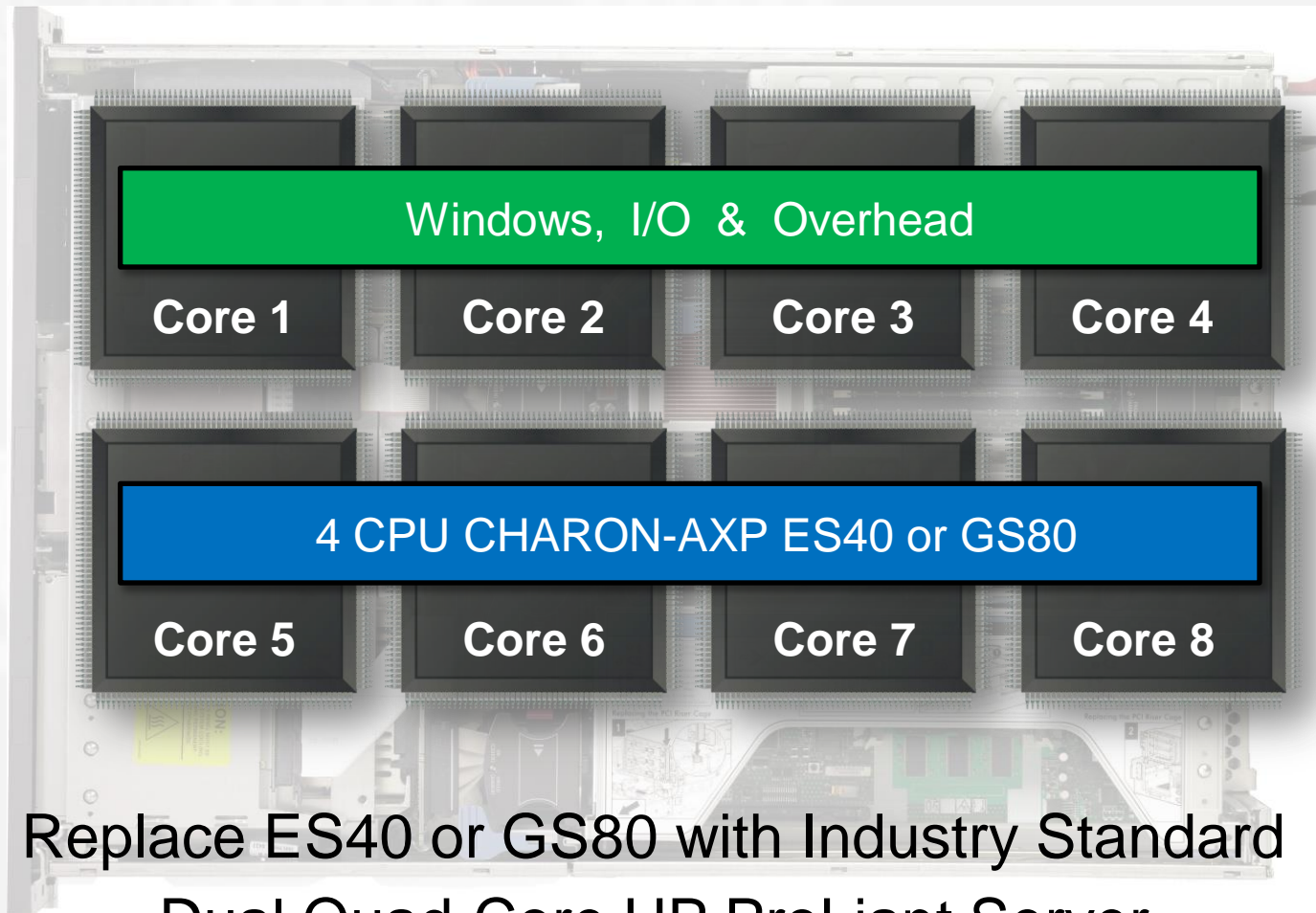
Example: 2 CPU AlphaServer DS20



Replace AlphaServer DS20 with Industry Standard
Quad-Core HP ProLiant Server

Virtualization Options: 1 to 1 Replacement

Example: 4 CPU CHARON-AXP ES40 or GS80

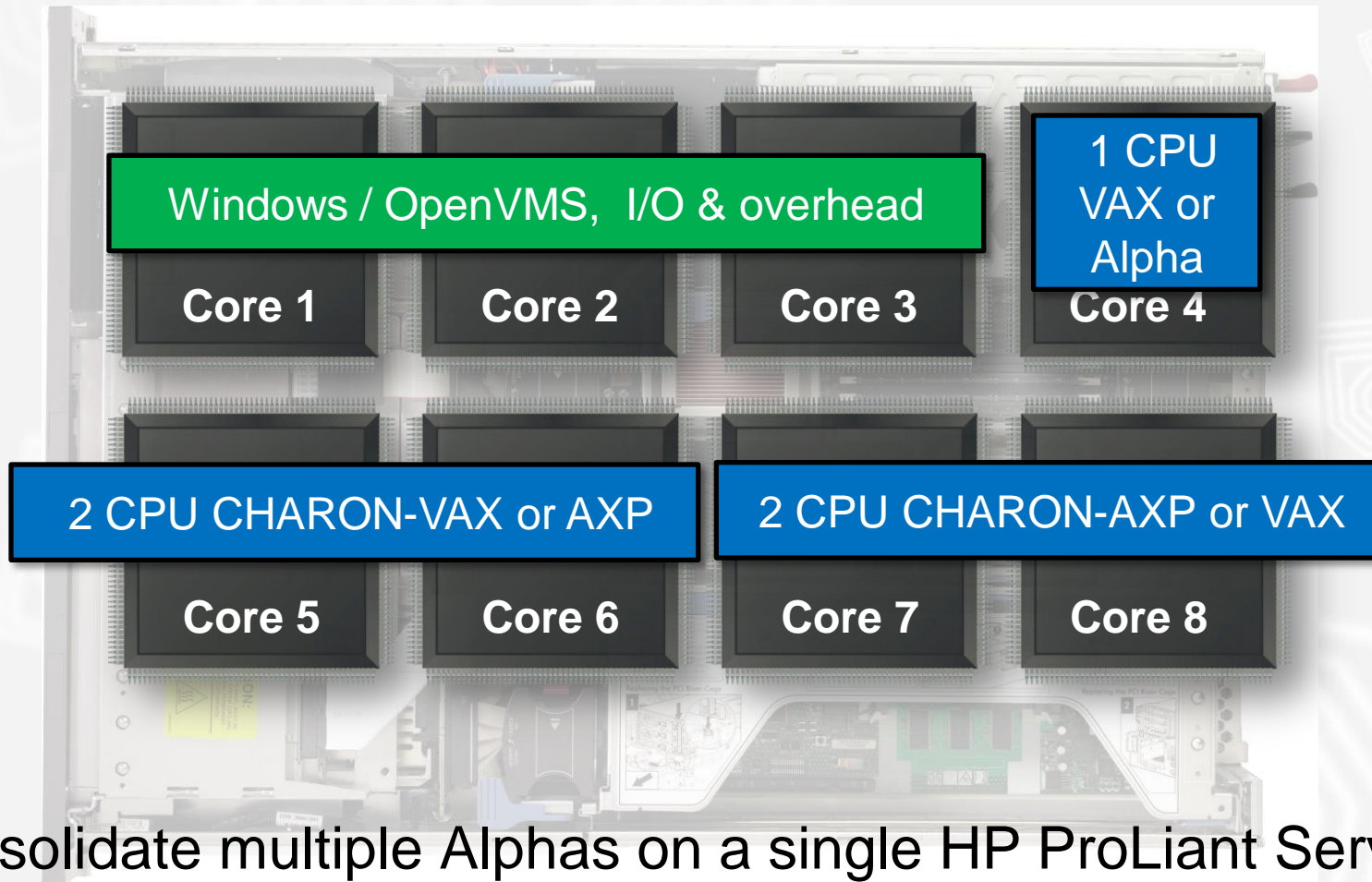


Replace ES40 or GS80 with Industry Standard
Dual Quad-Core HP ProLiant Server



Virtualization Options: Consolidation

Multiple CHARON Systems on Single Server



Consolidate multiple Alphas on a single HP ProLiant Server

Charon vs competition

- Largest competitor is: Ebay !! 😊
- Experience
 - We do this since 2000
- Performance
 - Faster than original HW
- Customer base
 - > 4500 customers in 50+ countries
- Broad range of products PDP->VAX->Alpha
- All HW platform models covered



Future - HP3000

- Charon HPA/3000 - the virtual HP 3000
 - Currently shipping CHARON-HPA/3410
 - Later on
 - CHARON-HPA/3510, /3520
 - Turboman (2CPU), Turbocrowd (8CPU)
- URL for testing Charon HPA/3000 online
- <http://www.stromasys.ch/virtualization-solutions/virtual-hp-3000/to-test-hp3000-emulator-click-here/>
- Internet Explorer only !!



Virtual HP3000

Get in touch with Stromasys about CHARON HP3000

TO TEST HP3000 EMULATOR CLICK HERE

Products and Virtualization Solutions > Virtual HP3000

To log into HPA demo type "hello guest.gacct ;hipri". Use "charohpa" as password.
To log out just type "bye".

```
MPE/iX: hello guest.gacct ;hipri
ENTER USER (GUEST) PASSWORD:

Must have SM or OP cap. To specify HIPRI, maximum INPRI of 13 is used.
(CIMARN 1460)
HP3000 Release: C.75.00 User Version: C.75.00 MED, SEP 19, 2012, 9:36 AM
MPE/iX HP31900 C.45.05 Copyright Hewlett-Packard 1987. All rights reserved.
:
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Connected to 194.38.185.2 telnet online

You can also test Charon HPA Demo using your favorite telnet client by clicking [here](#), or by setting it up as:
Address: 194.38.185.2
Protocol: telnet (port 23)

Note: We do regular maintenance on the system. So if it is unavailable, please try again into 15mn. If the problem persists, please contact: support@stromasys.com

Future -- SPARC

- Charon SPK/SS20 - the virtual SUN SparcStation
 - Can be downloaded now - free
 - <http://www.stromasys.ch/charon-spk/>
- Charon SPK/UltraSparc - the virtual SUN UltraSparc I system
 - under development



For more information

[Stromasys SA](#)

www.stromasys.com

P.O. Box 156
1228 Plan-les-Ouates
Switzerland
Tel. +41 22 794 1070
Fax +41 22 794 1073

Product descriptions
Application notes
Documentation
Utility downloads
Partner pages

info@stromasys.com



Questions