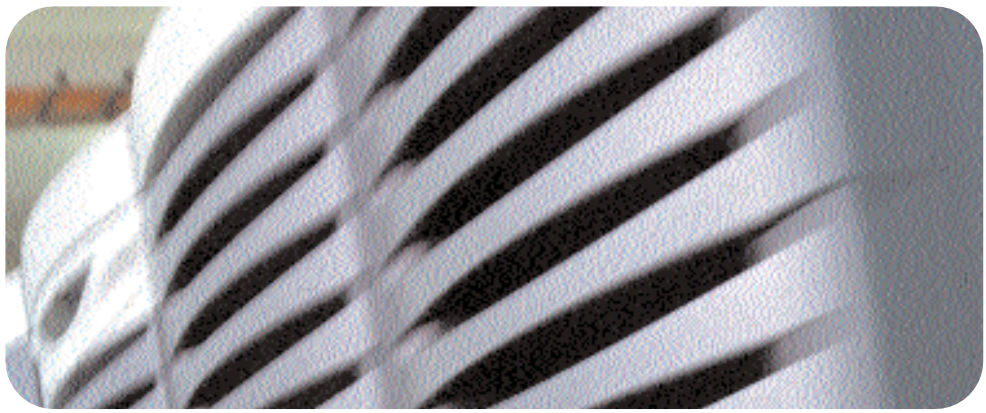
May 2002 Special Edition

Tru64 UNIX and OpenVMS Times



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Welcome to this special edition of the *Tru64 UNIX and OpenVMS Times* from the new HP!

Now that Compaq's merger with Hewlett-Packard is complete, we want to ensure that our valued *Tru64*™UNIX® and *OpenVMS*™ customers understand the commitments that the new HP is making to the *AlphaServer* business, our planned roadmaps, and what it all means to you and your future IT strategy.

In the business-critical market, HP and Compaq both have had an historic perspective and focus on what it takes to meet our customers' most demanding enterprise requirements. We believe the new combined company will bring unprecedented strengths and expertise to our enterprise computing customers, with an improved ability to deliver solutions which help you achieve new levels of availability, manageability and business continuity.

I want to personally assure you that the capabilities you have come to depend upon Compaq for — unparalleled performance, leadership clustering, high availability and "bullet-proof" operations — will continue to be delivered by the new HP.

There is no more important asset to both Compaq and HP than you, our customer. We hope that this special issue answers many of the questions you may have about the merger, but if not, please don't hesitate to contact me personally, or through your account manager.

Rich Marcello
Alpha Systems Division

invent

HP's commitment to you

With the merger of Compaq Computer and Hewlett-Packard now a reality, I would like to summarize our plans for the new HP portfolio of enterprise products.

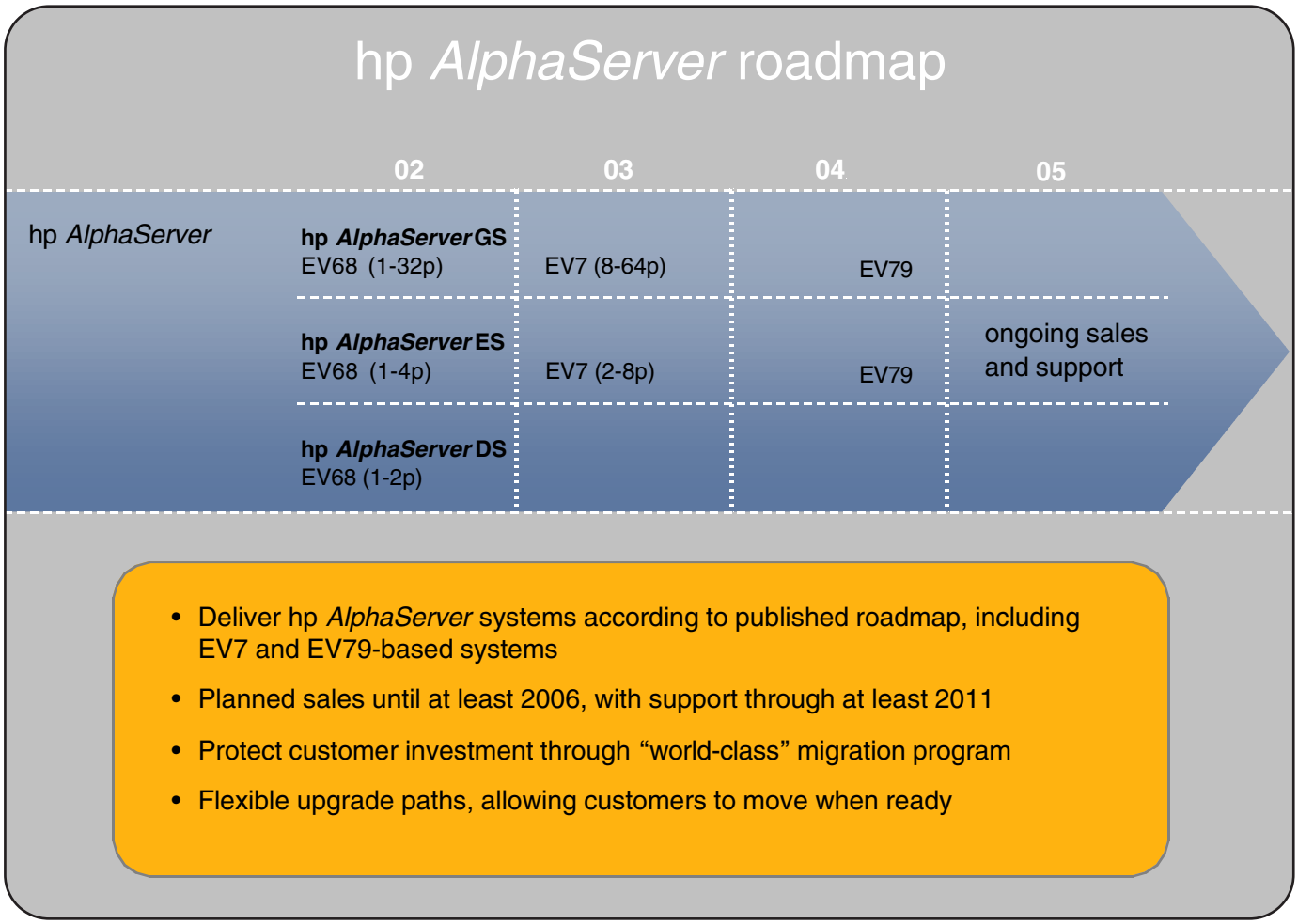
I am excited about the opportunities that the new HP will have to work with you to deliver enterprise solutions that address your most demanding business-critical requirements, particularly in areas of lasting value such as cost-effective and pervasive management, continuous and secure operation of your IT investments, efficient utilization of your IT resources, and lowest TCO as a result of our Itanium® Processor Family strategy. Over time we will be able to increasingly combine the strengths of both companies to help you take advantage of the latest technology while at the same time leveraging your current IT investments.

The Compaq *AlphaServer* systems will now be called hp *AlphaServer* systems. We will deliver the *AlphaServer* roadmap announced in June 2001 along with the associated feature enhancements of *Tru64* UNIX and *OpenVMS* on *AlphaServer*. This includes the EV7 and EV79 versions of the Alpha processor, which will be used in future "Marvel" systems supporting *Tru64* UNIX, *OpenVMS*, and Linux. We will sell *Tru64* UNIX and *OpenVMS*-based hp *AlphaServer* systems until at least 2006, with support through at least 2011. For Itanium, we will integrate leading technology from *Tru64* UNIX, such as *TruClusters*™ and Advanced File System (AdvFS) into HP-UX, and will offer a seamless migration path to HP-UX on Itanium Processor Family with a full suite of migration tools and services. Finally, hp *OpenVMS* remains a strategic product and we will continue the port of *OpenVMS* to Itanium-based hp servers. We will also migrate our hp *OpenVMS* application portfolio to Itanium and will provide new tools and services to assist customers who desire to migrate to HP-UX.

As we move forward, we will provide you with detailed transition plans that will ensure a smooth evolution of your current IT infrastructure to Itanium-based server solutions running your operating system of choice.

Scott Stallard
Business Critical Systems

AlphaServer systems strategy and roadmap



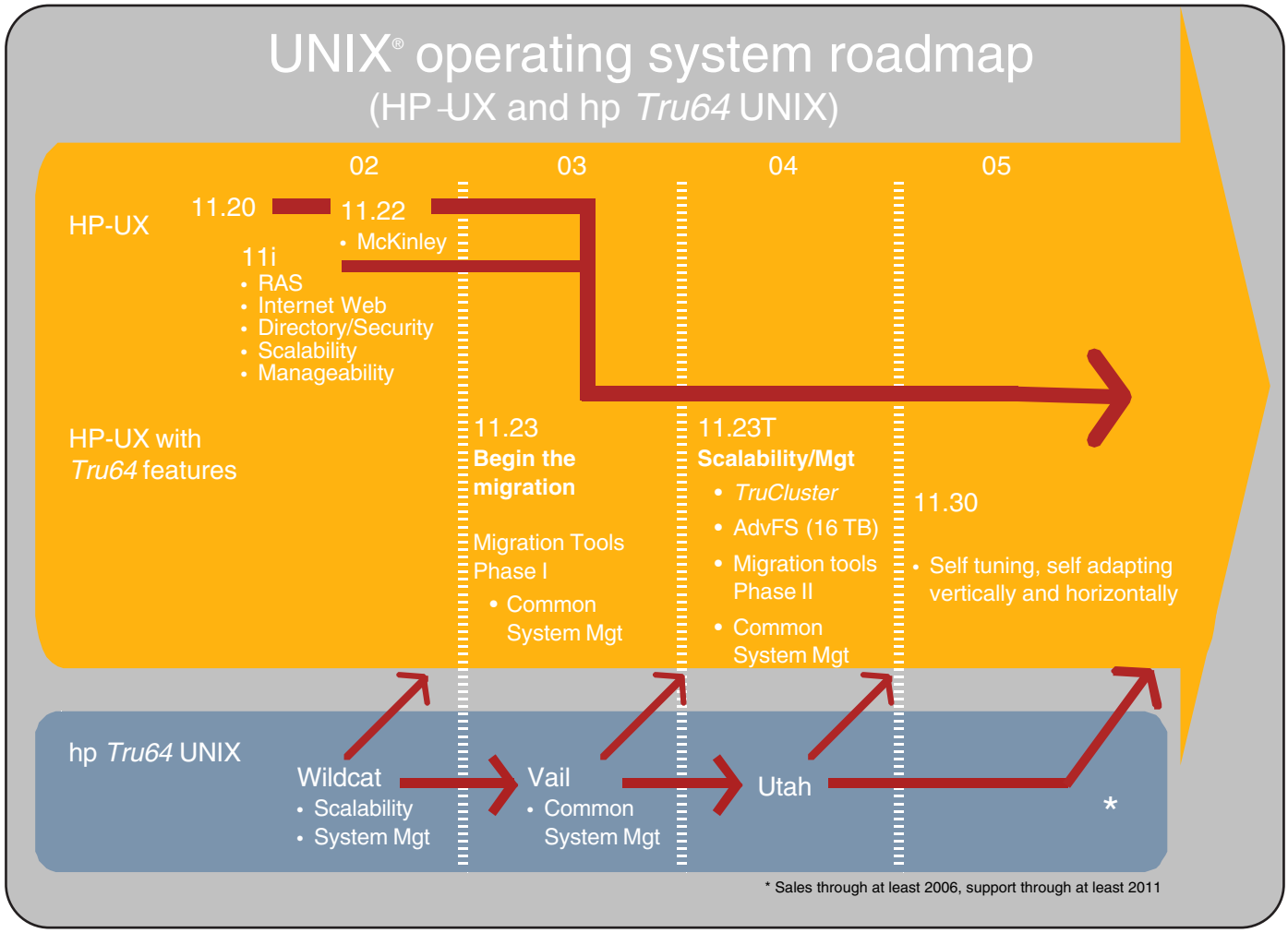
Both Compaq and HP have been implementing a strategy to converge their microprocessor and systems architecture on the Itanium Processor Family from Intel®. With this merger, we will be able to leverage the combined strengths of both companies to deliver world-leading systems based on Itanium.

At the same time, we are continuing to design and build new *AlphaServer* systems based on current and upcoming Alpha processor technology. HP's commitment is to continue implementing the Alpha roadmap per the current Plan of Record, delivering improved performance and faster implementations of the Alpha microprocessor while continuing to provide the most available, scalable systems at the lowest cost. Specifically, this includes our announced plans for EV7 and EV79 versions of the Alpha processor, which will be used in our upcoming "Marvel" system. These systems will run *Tru64* UNIX, *OpenVMS*, and Linux. As previously announced, we will continue to sell *AlphaServer* systems until at least 2006 with support through at least 2011. These systems will now be called hp *AlphaServer* systems.

In addition, in the High-Performance Technical Computing arena, we plan to continue to deliver the SuperComputing (SC) product family for the most demanding scientific and technical applications, implementing EV7 and EV79 versions of the *AlphaServer* SC family. We also plan to expand the SC series to include Itanium Processor Family and Linux implementations.

An important element of this strategy is our recognition that customers will want to transition from Alpha to Itanium systems on their own schedule, and only when it is right for them. Therefore, we intend to continue with the transition tools and services that have been committed, including the innovative *AlphaServer* Customer Assurance Program, which is setting a new standard for commitment to customer satisfaction and investment protection.

Tru64 UNIX strategy and roadmap

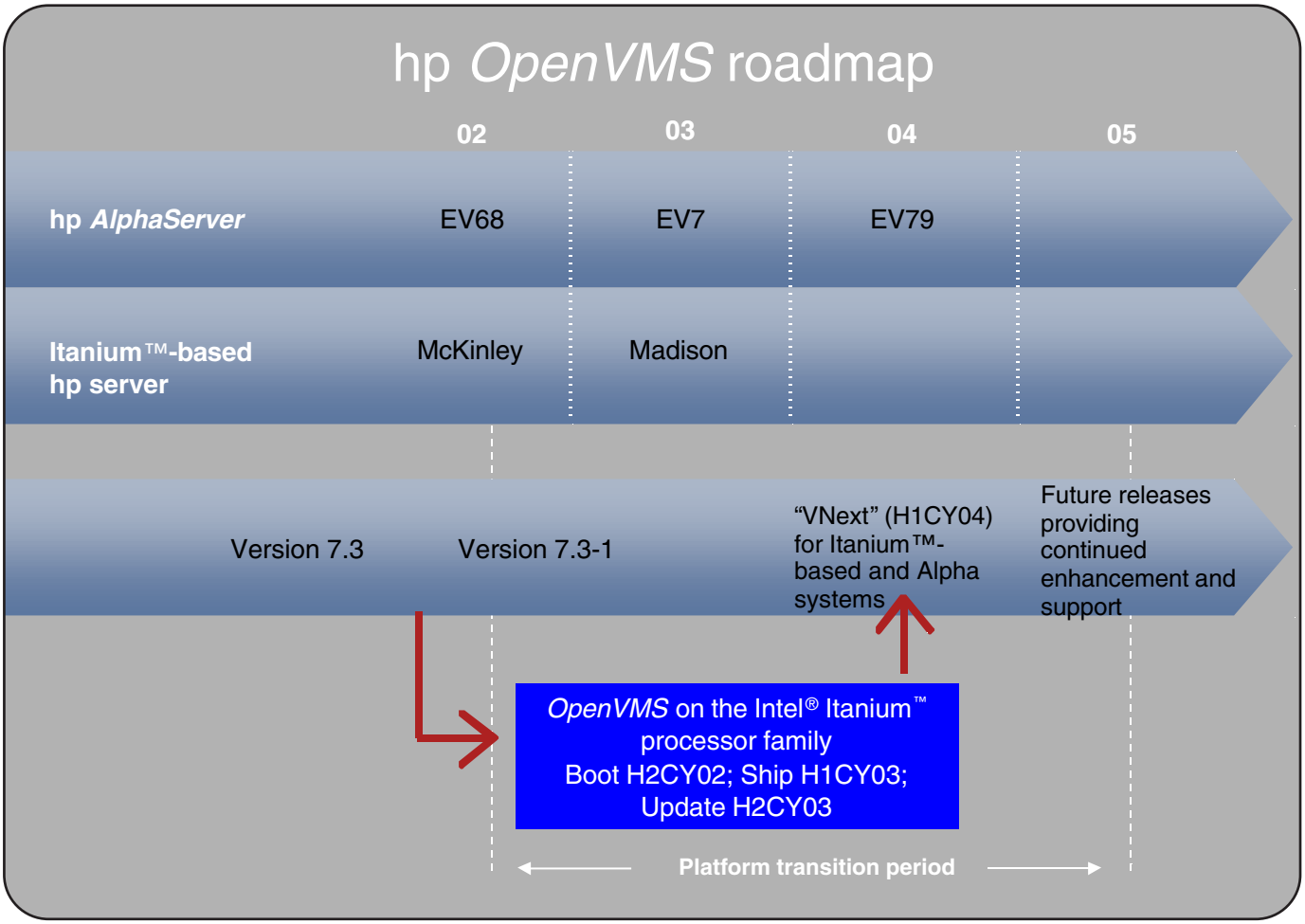


Tru64 UNIX on *AlphaServer* systems have been delivering industry-leading capabilities for High Performance Technical Computing, Telecommunications, and eBusiness solutions based on Oracle©, among many others. We plan to continue to deliver on the *Tru64* UNIX roadmap for *AlphaServer* systems, including planned support for future EV7 and EV79-based systems, as well as investing in and deploying further operating system enhancements. We will continue to sell *Tru64* UNIX on *AlphaServer* systems until at least 2006 with support through at least 2011. In the new HP, the product will now be called hp *Tru64* UNIX.

In addition, the combination of HP and Compaq means that we have an opportunity to develop the industry's best UNIX offering for the Itanium Processor Family. As previously communicated, we intend to integrate many of the best features of *Tru64* UNIX into HP-UX on Itanium. At a minimum this will include *TruClusters* and the AdvFS. In the pre-merger phase, the two companies were not able to explore all aspects of what might make sense to integrate, but with the merger now closed these discussions will accelerate, and we will keep you informed as we make additional decisions.

While all the details have yet to be finalized, we expect to be able to deliver the first version of HP-UX with *TruClusters* and AdvFS in the 2004 timeframe. We are also working to finalize the transition and migration tools and services that will be made available to help ensure a smooth path to the future. Some of the items under consideration are a porting assistant for C, C++, and Fortran, API extensions for HP-UX, common system management, and a compatible Compile Dialect.

OpenVMS strategy and roadmap



OpenVMS continues to provide more than 400,000 customers with a robust solution in industries ranging from Healthcare to Government to Financial Services. As several of our customers have expressed, "It just works!"

Therefore, the core of the *OpenVMS* strategy and roadmap is unchanged. We plan to continue delivering enhancements to *OpenVMS* to support future *AlphaServer* systems based on EV7 and EV79, and we will continue to sell *OpenVMS* on *AlphaServer* systems until at least 2006 with support through at least 2011. The product will be called hp *OpenVMS*.

In addition, consistent with HP's overall strategy of converging on the Itanium Processor Family, *OpenVMS* is being ported to Itanium, thus providing a stable and long-term path for our customers. This port is already well underway, with a target availability for early developers in 2003, and a full production version in 2004. We are also working very closely with our ISV software partners and our goal is to have 100% of our existing partners port to Itanium.

As with our *AlphaServer* plans, we recognize that our customers have widely different strategies and plans for how they may incorporate a move to Itanium, so we are committed to enable you to move on your own schedule and to make the transition as seamless as possible. Existing *OpenVMS* applications will run on the new servers with little or no modification. To help facilitate this, we will provide source compatibility for *OpenVMS* applications, and where sources are not available, binary compatibility as well.

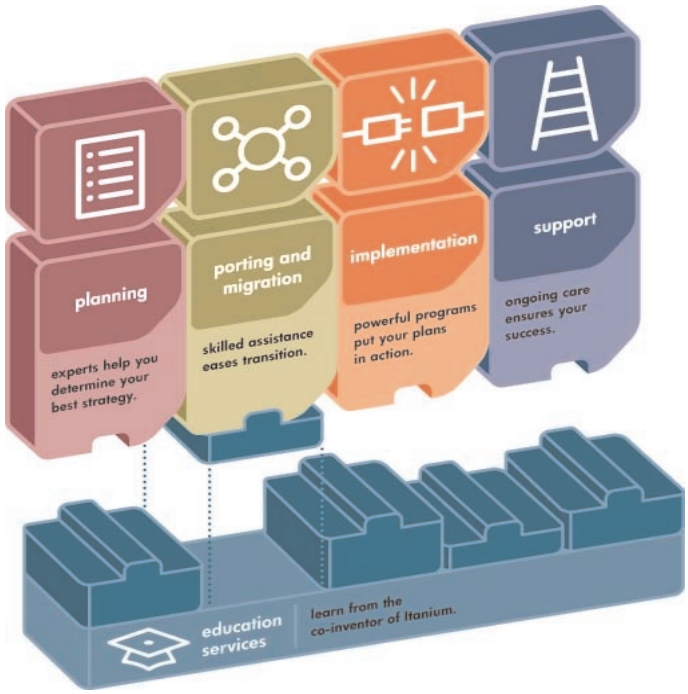
Migration programs and services

Very few industries have gone through as many different generations of technology as fast as the IT industry has over the last several decades. Continuous progress in areas such as networking, processor, storage and memory technology as well as software infrastructure means that both vendors and users are always planning for the next round of technology that will help enterprise companies achieve their business goals and outpace the competition.

No company comes close to the wealth of experience available in HP today, with its rich heritage of helping customers successfully navigate changes in technology. Many of you have experienced this directly as you have successfully transitioned from 8- and 16-bit PDP systems to 32-bit VAX on to 64-bit Alpha technology. And today, new programs like the *AlphaServer* Customer Assurance Program have received recognition by leading industry analysts as being "unprecedented" and "world-class." Both this and HP's Customer First Program are aimed at minimizing procurement risk and liability. The basis for these programs is a set of carefully planned product enhancements and service offerings that enable us to provide this level of guarantee to our customers.

Engineering teams from *OpenVMS*, *Tru64* UNIX and HP-UX are working closely with ISVs to enable a smooth transition of applications to the Itanium Processor Family platform with little or no disruption for your business operations. "How-to" whitepapers, porting guides and online services and systems are being made available for the benefit of both ISVs and customers. Management tools will support an environment of mixed *AlphaServer* and Itanium-based systems. HP-UX will be enhanced with code to ease the transition of *Tru64* UNIX-based applications. Analysis and porting tools are being developed to minimize the migration effort.

In addition to the above, an extensive portfolio of services is available to further assist in transitions to Itanium systems, ranging from free-of-charge Architecture Workshops to complete consulting and solutions delivery services. For planning purposes, HP offers transition assessment services as well as advanced system architecture consulting for highly complex solutions. When needed, several porting and migration services and training courses are available to assist your development team or to do the work for you. To assist in the implementation, HP offers transition/consolidation implementation services and tuning and optimization services.



Today HP offers a broad spectrum of Itanium training classes. Classes such as "Introduction to Itanium" or "Migrating Applications to Itanium" utilize the latest web-based delivery technology and can be started any time. Soon new classes will be added to help experienced *Tru64* UNIX developers and system managers take advantage of HP-UX on Itanium as well as courses for *OpenVMS* on Itanium.

There is of course no better place for the ongoing support and maintenance of your *AlphaServer* and Itanium-based system than with the company that transitioned industry-leading 64-bit processor intellectual property to Intel and participated in the development of Itanium.

Building industry-leading products that give customers a competitive edge is only the start. To help you to optimally deploy the latest technology while protecting existing investments and minimizing disruption to your operations requires a well-planned and concerted effort from many different functions and partners. We have learned this during decades of experience with technology transitions and will use this experience to the benefit of all of our customers.

Questions and answers

AlphaServer systems

Q: What decisions have been made relative to the previously committed *AlphaServer* Plan of Record?

A: There is no change to the committed roadmap. We plan to implement both the EV7 and EV79 versions of the Alpha processor and the *AlphaServer* systems built on them. These new *AlphaServer* systems will run *Tru64* UNIX, *OpenVMS*, and Linux. We will sell *AlphaServer* systems until at least 2006, with support through at least 2011.

Q: What decisions have been made relative to the previously committed *AlphaServer* SC family plans?

A: The *AlphaServer* SC roadmap continues as planned, with new *AlphaServer* SC offerings to be released over the next three years, based on Alpha EV68, Alpha EV7, and Alpha EV79 processors. As with previous *AlphaServer* systems, we fully expect the EV7 generation to offer performance leadership for High Performance Technical Computing. We will continue to sell our Alpha systems until at least 2006, with support through at least 2011. And in the future, we will continue with our planned transition to the Itanium platform and HP-UX with enhancements from *Tru64* UNIX.

Q: How is the *AlphaServer* business doing?

A: We continue to see strong customer demand for the performance and scalability that *AlphaServer* can provide today, particularly in the areas of High Performance Technical Computing, Telecommunications, and mission-critical eBusiness. We received more than 2,000 first-day orders for our recently announced ES45 and SC45, and have further enhancements planned this summer.

Q: What is the status of EV7 and "Marvel"?

A: The program is right on track. We expect to introduce our first systems by the end of 2002. Early indications are that this product is going to provide unparalleled levels of performance, reliability, and scalability.

Tru64 UNIX

Q: What is the role of UNIX in the new HP?

A: The merger of the #2 and #4 UNIX vendors gives us, HP, the #1 position in the general-purpose UNIX marketplace, as well as #1 positions in key high-growth UNIX markets such as High Performance Technical Computing. Continued strength in UNIX will be critical to HP's ongoing ability to satisfy the needs of enterprise customers. We will focus on large commercial and government end users across all industries, including High Performance Technical Computing, Telecommunications, Manufacturing, Financial Services, Government, and Healthcare, as well as Service Providers and Technology OEMs.

Q: What decisions have been made relative to the previously committed *Tru64* UNIX on *AlphaServer* Plan of Record?

A: There is no change to the committed roadmap. We plan to continue to implement planned new feature releases of *Tru64* UNIX on *AlphaServer* systems per the previously stated Plan of Record, including support for EV7 and EV79-based systems. We will sell *Tru64* UNIX on *AlphaServer* systems until at least 2006, with support through at least 2011.

Q: Will *Tru64* UNIX be ported to Itanium?

A: No. As previously stated, we intend to incorporate many of the industry-leading features of *Tru64* UNIX into future versions of HP-UX on Itanium.

Q: What *Tru64* UNIX features will be supported in HP-UX, and when?

A: At a minimum we plan to include *TruCluster* technology and the AdvFS. Other areas are being actively investigated. Initially availability of features from *Tru64* UNIX in HP-UX will be in 2004. This is likely to be implemented in stages, beginning with HP-UX 11.23.

Q: Will any *Tru64* UNIX functionality be included in HP-UX on PA-RISC and do you plan to support *Tru64* UNIX on PA-RISC-based HP Servers?

A: No. There are no plans to incorporate *Tru64* UNIX functionality into HP-UX on PA-RISC, and based on the strategy to converge on the Itanium Processor Family, there are no plans to support *Tru64* UNIX on PA-RISC-based HP servers.

Q: When should I plan to transition from *Tru64* UNIX to HP-UX?

A: We will work with you to evaluate the best strategy for transitioning your environment to Itanium-based servers and HP-UX over time, and on your own timetable. This might depend on the availability of certain features on the new platform (e.g. clustering), performance considerations, and the availability of specific applications.

Q: What tools will you provide to achieve a smooth transition?

A: We are committed to making this transition as seamless as possible, and are planning to provide a porting assistant for C, C++, and Fortran, API extensions for HP-UX, common system management, compatible Compile Dialect, and porting assistance, equipment, and services.

Q: If I have *Tru64* UNIX today and am implementing a brand new project, should I stick with *Tru64* UNIX or deploy HP-UX?

A: We recommend you evaluate starting with HP-UX since it will minimize the need for future transitions, unless you have a specific need for the functionality that *Tru64* UNIX provides. In that case, you can deploy *Tru64* UNIX systems with confidence, with our full support.

Q: What is the status of *Tru64* UNIX support by ISVs?

A: Most of our strategic ISVs have remained committed to the continued support of *Tru64* UNIX on Alpha, and we are focused on ensuring we minimize any additional work that may be required to support future versions. On Itanium, most of our ISVs already support HP-UX, so our plans to migrate functionality to HP-UX have been well-received.

OpenVMS

Q: What decisions have been made relative to the previously committed *OpenVMS* Plan of Record?

A: There is no change to the committed roadmap. We plan to continue to implement planned new feature releases of *OpenVMS* on *AlphaServer* systems per the previously stated Plan of Record, including support for EV7 and EV79-based systems. We will sell *OpenVMS* on *AlphaServer* until at least 2006, with support through at least 2011 We are also continuing with the port of *OpenVMS* to the Itanium Processor Family, and will maintain a common code base across Alpha and Itanium.

Q: How long will *OpenVMS* be sold and supported on Itanium?

A: On Itanium, we are in the process of completing the port and hence have no retirement or end-of-life plans for *OpenVMS* on Itanium for the foreseeable future.

Q: How is the Itanium port going?

A: This project is right on track, and we expect to have an initial boot at the end of 2002, an early developers kit in 1H 2003, with a full production version in 1H 2004.

Q: Will you port all of the layered products as well?

A: There is no change to our previously committed plans to port the full suite of *OpenVMS* layered software, with the exception of products that already have an announced EOL.

Q. What is the status of ISVs' continued support of *OpenVMS*?

A. Our *OpenVMS* ISVs have been a very strategic part of our success with *OpenVMS* in target markets like Healthcare, Financial Services, and Government. Our ISVs are very excited about the opportunity that the Itanium Processor Family platform will provide in the long-term. For the more than 100 quotes from our partners indicating their intent to continue to support *OpenVMS* — check out the *OpenVMS* website at: **http://www.compaq.com/hps/ipf-enterprise/partner_quotes.html**

Q: Will you offer a migration path to HP-UX?

A: Yes. We believe HP-UX on Itanium is an excellent long-term choice for *OpenVMS* customers, but we want to support them moving on their own timetable. We will be evaluating what new tools and services may be required to help them transition to HP-UX if they so desire.

Alpha Linux and Linus Affinity

Q. Where have you sold Alpha Linux, and what is your strategy moving forward?

A: The strongest market for Alpha Linux has been in High Performance Technical Computing, and we expect this will continue as the High Performance Technical Computing market evolves. The *AlphaServer* platform is the performance leader for Linux High Performance Technical Computing solutions today, leveraging Alpha's strengths in floating point performance and large memory support. We have tested and demonstrated Linux running on the beta platform for the EV7, and product plans include full support for Linux.

Q: Will Red Hat and Suse continue to support their Linux distributions on Alpha?

A. Both Red Hat and SuSE are committed to continuing to support Alpha Linux. V7.1 of Red Hat Linux supports Alpha today, and Red Hat announced in January 2002 their plans to port Red Hat Linux 7.2 to Alpha with an availability in Q2. SuSE Linux V7.1 supports Alpha today, and they plan to support Alpha with V8 as well. Moving forward, we plan to contract with Red Hat and SuSE to have one major release per year.

Partnering for Success customer IT forums to start in May

Starting this May, Compaq will be launching Partnering for Success, a new series of enterprise-level IT forums for our customers. Addressing your most critical business issues, the forums are the perfect opportunity to hear the Compaq long-term vision and preview the new *AlphaServer* series. You'll also learn more details about the roadmaps for transitioning Compaq *Tru64* systems running *Tru64* UNIX and *OpenVMS,* to Intel Itanium-based systems.

Delivered by corporate executives and technical experts from Compaq and Intel, these programs will emphasize how to leverage your existing applications and IT infrastructure to maximize profitability. See the depth to which Compaq remains committed to helping you address critical business issues, as we show you ways to build action plans for the future that help you realize your competitive advantage.

Partnering for Success forums will be held worldwide, from May through July. For the date and time of a program near you, and to register,
visit our web site at www.compaqITforums.com

Please register early, as space is limited.