VMS Software Inc.

Worldwide Webinar

May 2022

VMS Software

Introducing Kevin Shaw

- Enterprise software background
- Listening to customers
- Watching technology move faster
- Final stages of move to x86
- Figure out what’s next

Customer feedback

- When will x86 be out?
- Can you add X to the roadmap?
- Compliance, Security, and Support
- Enterprise applications need to be virtualized
- Hypervisor requests

Roadmap change

- Hypervisors move to the top
- Platform is important
- Applications are more important
- Deliver software in 2022 and beyond

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VMS Software Update

May 2022

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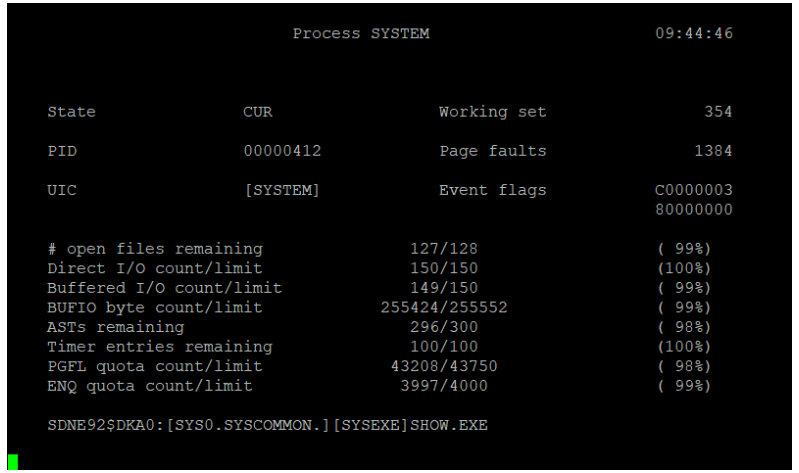
Agenda

- Introduction
- Timeline Review
- 9.2 Overview
- Looking Ahead
- Summary
- Questions

Introduction

- OpenVMS v9.2 x86-64 limited production release scheduled for July 2022
  - Major milestone
    - Support for Enterprise VMware ESXi™ and KVM environments
      - Virtual environments will support a wide range of hardware (**Intel only**)
    - Support for Virtual Box™ for Development use
    - Hyper-V support is in the planning stages for a future release of OpenVMS
  - Focus
    - Cluster Support, Compilers, Layered Products and Open Source
  - Still more to do

- Other projects we've been working on
  - TCP/IP x6.0 (beta)
    - Available for X86 and Itanium
    - Soon for Alpha
  - OpenSSH 8.8 (beta)
    - Available for X86, Itanium and Alpha
  - Layered Products
  - Various Package and Patch releases



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Timeline Review

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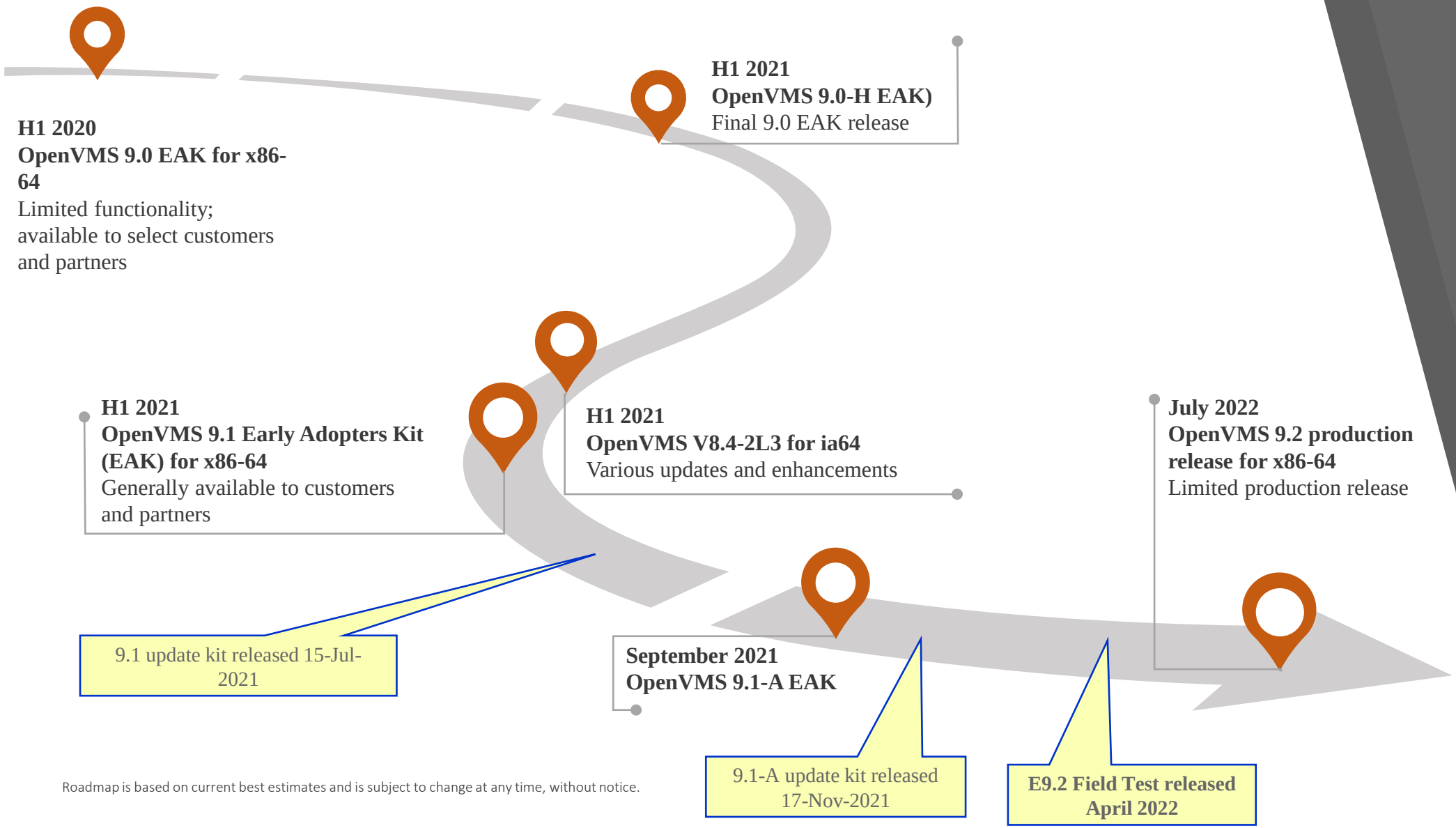
Timeline Review



Roadmap is based on current best estimates and is subject to change at any time, without notice.

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v9.2 Overview

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v9.2 Overview

- ISO installation
- TCP/IP x6.0 Services
- Cross-compiler updates
- Native Compilers
  - Macro
  - Bliss
  - DECC (75% complete. Plan field test (beta))
  - C++ (currently in early field test (beta))
  - Others will follow: Cobol, Fortran, Pascal, etc..
- More layered and open source products (see subsequent slides)
- Updated Security server
- Assorted general improvements and bug-fixes
- More Documentation updates
- Visit our new documentation search engine on our website
  - https://docs.vmssoftware.com

1. CGKVM1 and CGKVM2 are on a DL380 running **CentOS/KVM**
2. CG3801 and CG3802 are on another DL380 running **VMware ESXi 6.7**
3. CG5801 and CG5802 are on a DL580 running **VMware ESXi 7.0**

This 6-node cluster uses IPCI (clusters-over-IP). The DL580 is on a different LAN segment than the other two hosts, therefore cluster communication between either of the CG580x VMs and the other four VMs occurs over IP.

SYSTEMS			MEMBERS
NODE	HW_TYPE	SOFTWARE	STATUS
CG3801	VMware, Inc.	VMS XG8D-H4S	MEMBER
CGKVM2	Red Hat	VMS XG8D-H4S	MEMBER
CGKVM1	Red Hat	VMS XG8D-H4S	MEMBER
CG3802	VMware, Inc.	VMS XG8M-H4S	MEMBER
CG5802	VMware, Inc.	VMS XG8D-H4S	MEMBER
CG5801	VMware, Inc.	VMS XG8D-H4S	MEMBER

v9.x Overview – Layered Products

- **Since v9.1**
  - DCPS (DECprint Supervisor)
  - DECnet Plus
  - DECset (CMS, DTM, ENVMGR, MMS)
  - FMS
  - RTR
  - SSMgr
  - DFG
  - DECforms
- **v9.2**
  - ABS/MDMS
  - PCA
  - SCA
  - LSE
  - DECnet IV and Plus
  - DECWindows/Motif (partial)
  - DQS
  - TDC
  - PERFDAT
  - Native Macro
  - User-Mode Debugger

- **v9.2-1**
  - ACMS
  - ACMSDI (TP Connector for ACMS)
  - Availability Manager
  - DATATRIEVE
  - GKS
  - X.25
  - T4
- **v9.2-X**
  - DFS
  - DECnet Plus – FTAM, OSAK, and VT
  - MDMSView
  - MRU (Media Robot Utility)
  - OMNI API
  - OSAP/H1
  - TDMS

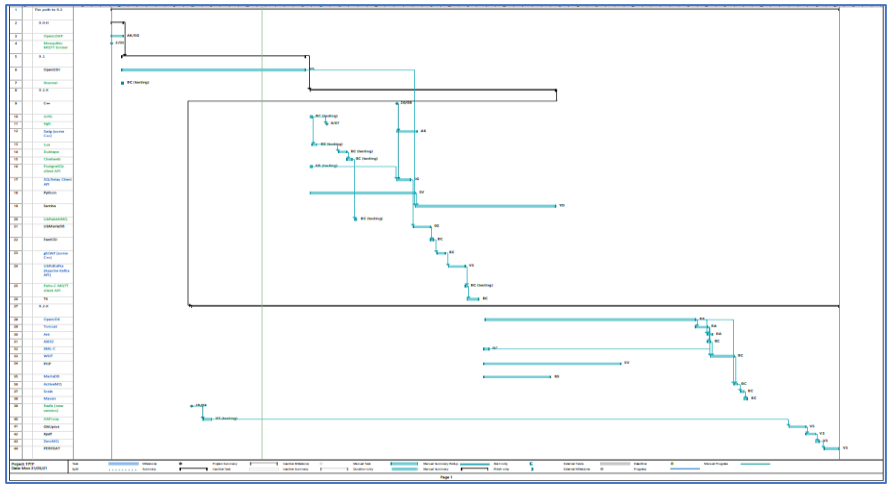
- Native compilers will start to become available July/ August timeframe

v9.x Overview – Open Source

- **Since 9.0**
  - OpenSSL 1.1.1
  - OpenLDAP
  - Mosquitto MQTT broker
  - CSWS
  - Kerberos
- **Since 9.1**
  - OpenSSH 8.8 (Beta)
  - Stunnel
  - Vgit
  - cURL and libcURL
  - Swig
  - Lua
  - CivetWeb
  - PostgreSQL client API
  - SQL Relay client API
  - Python
  - Samba
  - LibRabbitMQ
  - LibMariaDB
  - gSOAP
  - LibRdKafka (Apache Kafka API)
  - Paho-C MQTT client API
  - WebUI
- **v9.2**
  - PHP
  - OpenSSH 8.9
  - Samba

v9.x Overview – Open Source

- v9.2+
  - OpenJDK
  - Tomcat
  - Ant
  - AXIS2
  - XML-C
  - WSIT (not open source)
  - MariaDB
  - ActiveMQ
  - Scala
  - Maven
  - Redis (new version)
  - HAProxy
  - GNUplot
  - Xpdf
  - ZeroMQ
  - …



- Many open source products already ported
- Need C++ compiler and DECWindows to complete the job
- Will be new versions of some products

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Looking Ahead

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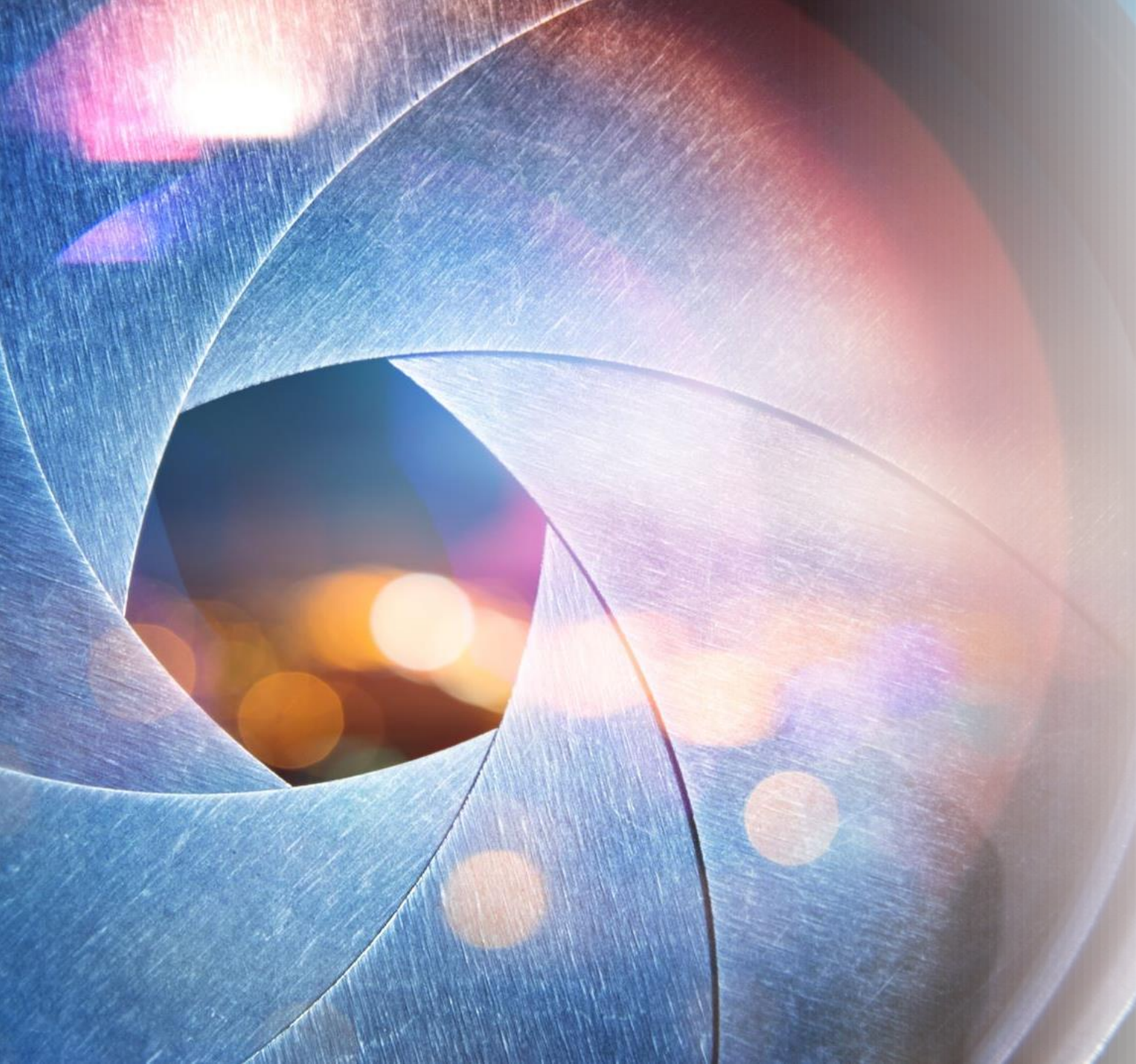

Looking ahead

- Additional virtualization and cloud environments
- Interaction with cloud-based services
- More programming languages and development tools
- More open source products and tools
- More services and solutions

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Summary

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- The VSI team has been very busy over the last several months and there is still plenty to do.
  - E9.2 is out
  - May 31st - First v9.2 candidate release

- We haven't been exclusively focused on x86-64.
  - Open source
  - Product enhancements
  - New products and services
  - Thinking about life beyond v9.2

- Watch this space!
  - **https://vmssoftware.com/about/news/**

Questions ?

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