



iXorg TestFest Fall Technical Conference

November 5th through November 8th 2023

Version 1.9 1st November 2023

iXorg TestFest Fall 2023 will be an in person conference held in Las Vegas. Focusing on hands on labs and hardware, TestFest will include building two virtual hosting environments, loading and testing virtual machines including performance, high availability and backup and recovery.

Topics will include

Xinuos Company and Product updates

Anti-malware: Mobile security, Antivirus and EDR

Synology Virtual Machine Manager, Standard and Pro, with a DS cluster

Proxmox on a server

Linux KVM on Ubuntu

Synology Active Backup for Business and Proxmox Backup Server

Remote access and control using TailScale VPN

Business Discussions and iXorg Member Presentations

iXorg, Inc. will hold its Annual General Meeting

1 Presenters

Michael Brown

Mike has played with electronics starting in the '60s, building a Heathkit SW receiver and oscilloscope. After becoming an Electrical Engineer in the '70s Mike worked for Tektronix in the Microprocessor Design Products division. This was an introduction to UNIX, Version 7 at the time, and programming. In the '80s the work included writing test programs and building fixtures for bed-of-nails testers, and installing industrial and real time computers mainly based on UNIX. Starting in the 90s installation of SCO, Interactive and AIX was the main work, followed by broadening skills in networking, storage and firewalls. Today the hobbies still include building kits and projects along with a keen interest in audio.

J.R. Guthrie

J.R. has been working with microcomputers for as long as there have been microcomputers. He has run Advantage Micro Corporation / Distribution, a hardware/systems shop founded by his father in Tucson in 1966, for 36 years. He is an international distributor for several families of anti-malware products, including Bitdefender, Emsisoft, Heimdal, Avast & AVG, and sells through and supports resellers. He supports over 4000 direct clients and 100 resellers worldwide.

Carlos Zevallos

Carlos is President of Direct2Channel, a Value Added Distributor headquartered in Los Angeles. D2C distributes the Bitdefender line of products and Carlos is a technical resource for Bitdefender.

2 Topics

2.1 Xinuos Update and Q&A

Xinuos Company Update including new patches.

2.2 Synology Virtual Machine Manager

Synology VMM is a KVM based virtual environment hosted on a range of Synology hardware. The base application is free. A Pro version that supports HA and live migration is subscription based but low cost such as a three node one year license for \$150.

2.2 Proxmox Virtual Environment VE 8.0

Proxmox VE is a complete open-source platform for enterprise virtualization. With the built-in web interface you can easily manage VMs and containers, software-defined storage and networking, high-availability clustering, and multiple out-of-the-box tools on a single solution.

2.3 Bitdefender Mobile Security

Bitdefender has released their new **GravityZone Mobile Security** that protects Android, IOS, and Chromebooks with real behavioral protection that includes app anomaly, malware protection, privilege escalation, exploit prevention, etc. This is an industry first and a game changer! For the 1st time, you can now have HIPAA compliance when using IOS and Chromebooks.

2.4 Bitdefender Antivirus and EDR

Bitdefender EDR is independently rated as the #1 EDR product, providing a 99.9% protection rating. In the current Forrester Wave: Endpoint Security for Q4 2023 Bitdefender was named as a Leader for Endpoint Security.

2.5 Remote access with Tailscale

Tailscale is a Wireguard based VPN that securely connects devices even to and from dynamic internet services without any special firewall or router configuration.

2.6 Proxmox Backup Server

Proxmox Backup Server is an enterprise backup solution, for backing up and restoring VMs, containers, and physical hosts. By supporting incremental, fully deduplicated backups, Proxmox Backup Server significantly reduces network load and saves storage space.

2.6 Synology Active Backup for Business

Synology ABB is a free application that runs on most Synology NASes. It offers a central control menu to back up storage, physical and virtual machines in either full or incremental mode. Restore options include bare metal, file level or running directly from a hypervisor. Versioning and backing up to another Synology is supported.

2.7 Linux KVM on Ubuntu

This is the familiar Linux KVM product and will be loaded and configured on Ubuntu.

2.8 AGM

Tuesday afternoon will be iXorg's Annual General Meeting, with the Treasurer's Report, election for positions on the Board of Directors, and all other appropriate business that may come before us.

2.9 Member Presentations

3.0 Business Discussions

3 Agenda

Times are PDT on Saturday then PST Sunday onward.

Saturday November 4th

- 11:00 – Conference room available
- 11:30 – Initial set up of networking, internet access and WiFi
- 14:00 – Install hard drives and DSM in the Synology
- 15:00 – Install SSD and load Proxmox in servers
- 16:00 – Set up and try Zoom

Sunday November 5th

- 8:00 – Room open
- 8:30 – Plan out setting up the Synology VMM and Proxmox infrastructure
- 9:00 – Configuration of hypervisors, networking, shared storage
- 10:00 – Configure Synology VMM, networking and shared storage
- 10:30 – Break
- 10:45 – Create users, set access permissions on Proxmox
- 11:30 – Upload ISOs, install VMs on Proxmox
- 12:00 – Lunch
- 13:00 – Review. Load and test Tailscale
- 13:30 – Load VMs on Synology
- 15:00 – Break
- 15:30 – Install and configure Proxmox backup server
- 16:00 – Back up and restore VM, Synology ABB and Proxmox Backup Server
- 16:30 – Start up OSR5 and OSR6 certification tests

- 20:00 – Social Gathering

Monday November 6th

- 8:00 – Room open
- 8:30 – Zoom setup and check
- 8:45 – iXorg introductions
- 9:20 – Short Break, remote presenter connection
- 9:30 – Carlos Zevallos presentation of Bitdefender EDR
- 10:30 – Break
- 10:45 – J.R. Guthrie presentation of Bitdefender Mobile Security
- 11:30 – Tailscale discussion
- 12:00 – Lunch
- 13:30 – Xinuos update
- 14:00 – Load containers on Proxmox
- 15:00 – Break
- 15:30 – Load and configure Linux KVM on Ubuntu
- 19:00 – Dinner out for attendees

Tuesday November 7^h

- 8:00 – Room open
- 8:30 – Hands on lab, Proxmox migrations and performance testing
- 10:30 – Break
- 11:00 – Member's choice labs, review SCO certification test
- 12:00 – Lunch
- 14:00 – iXorg Inc, Annual General Meeting (AGM)
- 15:00 – Break
- 15:30 – Business discussions and member presentations

Wednesday November 8th

- 8:00 – Room open
- 8:30 – Hands on labs and Discussion of similarities and differences in features and usability between VMware, KVM, Synology Virtual Machine Manager and Proxmox

10:30 – Break

11:00 – Hands on labs, Servers and Synology available for reloading from bare metal or backup

12:00 – Lunch

15:00 – Take down starts

17:00 – TestFest 2023 concludes