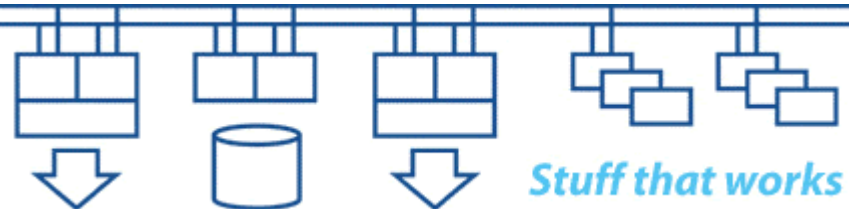


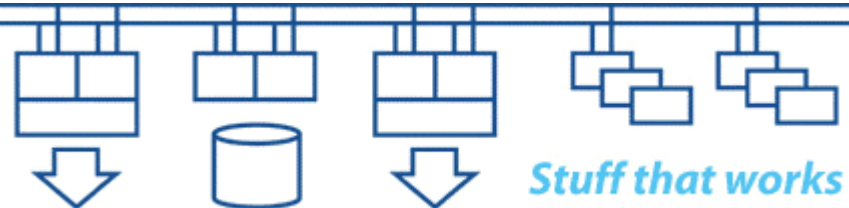
clearVisn V3 update and demonstration

**Mike Collins, Digital Networks
& Colin Butcher, XDelta Limited**

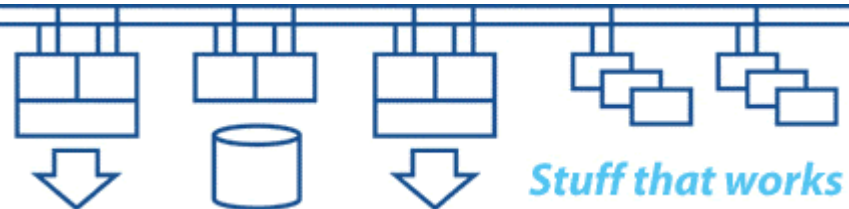


09:30 - 10:00	Registration
10:00	Start
11:00 - 11:15	Break
12:30 - 13:15	Lunch
14:45 - 15:00	Break
16:45ish	Finish

Alarm procedures, toilets, etc.

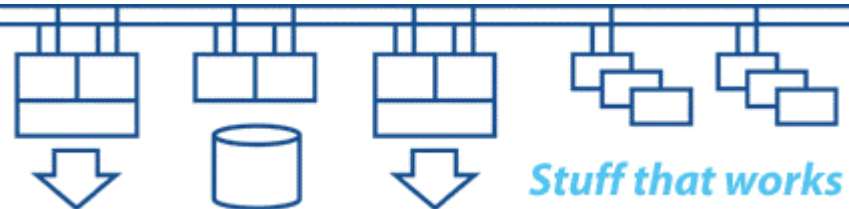


- **Network design issues**
 - **Performance**
 - **Bandwidth**
 - **Latency**
 - **Reliability**
 - **Security**
- **Hardware solutions for network segmentation**
 - **Bridging**
 - **Routing**
 - **Switching**
- **Need for software to configure and manage the hardware**

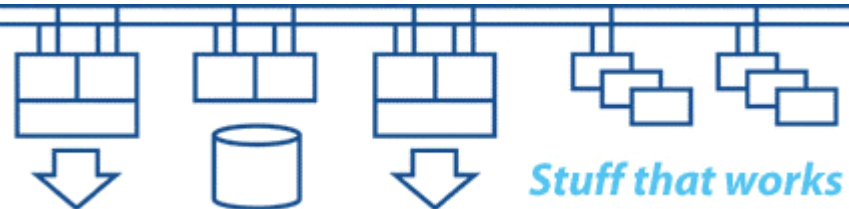


Network configuration and management software:

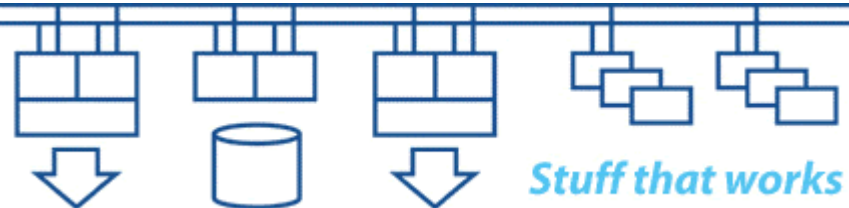
- **enVISN = architecture**
- **clearVISN = management structure**
- **clearVISN applications = tools**
 - **MultiChassis Manager**
 - **Recovery Manager**
 - **Flash Loader**
 - **Traffic Policy Manager**
 - **Fault Policy Manager**
 - **VLAN Manager**



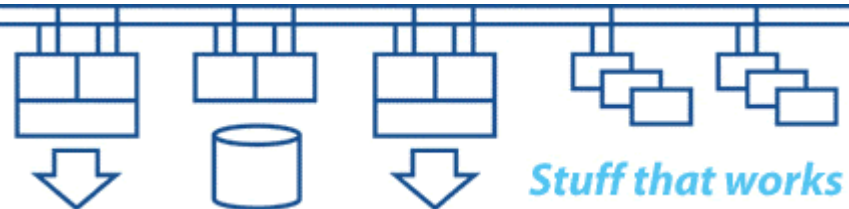
- **clearVISN history**
- **clearVISN components**
- **Supported hardware**
 - **DEChub 90 family**
 - **MultiSwitch 600 family**
 - **MultiChassis 900 family**
 - **Dnswitch family**
 - **Dnmultilayer family**
- **Hardware roadmaps**
- **clearVISN roadmaps**



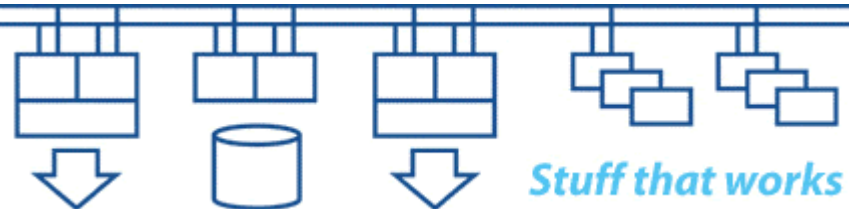
- **Hardware installation and configuration**
- **clearVISN software installation and configuration**
- **clearVISN device databases**
- **Firmware updates**
- **Configuration saves / restores**



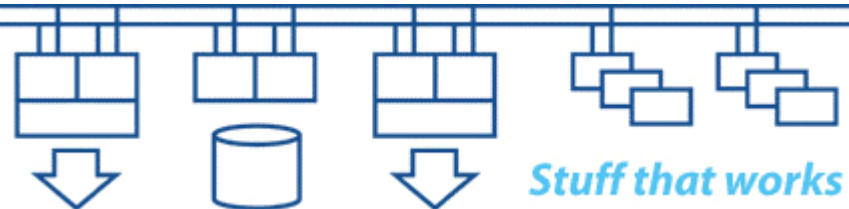
We won't necessarily be able to answer all of your questions, so please be prepared to contribute and share your knowledge.



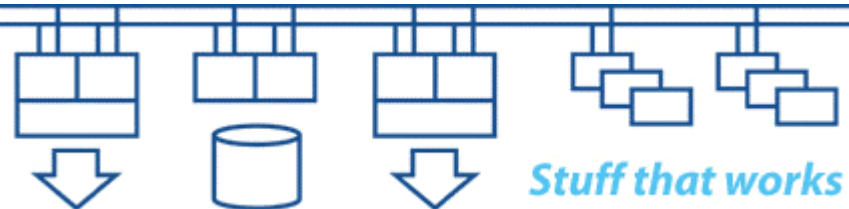
- **MultiChassis 900 (x3):**
 - VNswitch family
 - 900 series modules
- **GigaSwitch/FDDI**
- **DNswitch family**
- **DNmultilayer family**



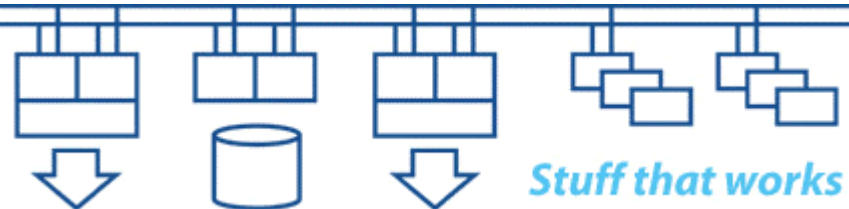
- **HUBwatch**
 - **DEChub 90, DECagent 90**
- **clearVISN V1**
 - **MultiChassis 900 (DEChub 900)**
- **clearVISN V2**
 - **VNbus support for MultiChassis 900**
- **clearVISN V3**
 - **Web server based (Web Suite)**
 - **Fast ethernet support for MultiChassis 900**



- **Router Configurators**
 - **DECnis 500/600 routers**
 - **RouteAbout routers**
 - **Access EI / EW**
 - **Central EP / EI / EW**
 - **RouteAbout Access ISDN router**
- **Flash Loader**

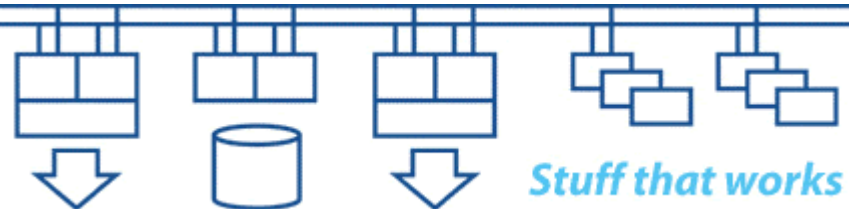


- **Web server based provides:**
 - **Consistent management view across several Browser based management clients**
 - **Stand-alone (portable) configuration tools.**
- **New module support (VNswitch 900CC/CG, TXG etc.)** **916/924/948**
- **New channel types on backplane (Fast Ethernet, Full Duplex)**

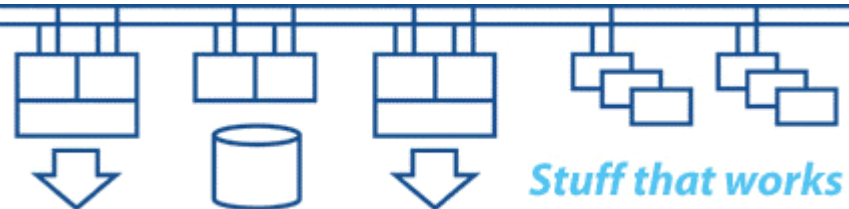


Windows PC platform based:

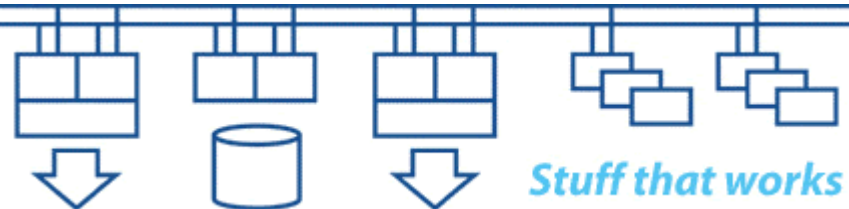
- **Components (applications)**
- **Installation**
- **Limitations**



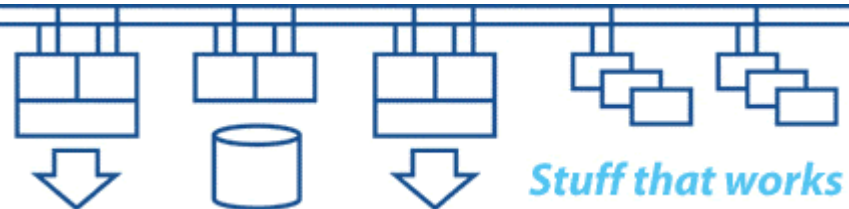
- **MultiChassis Manager**
- **Recovery Manager**
- **Fault Policy Manager**
- **Traffic Policy Manager**
- **VLAN Manager**



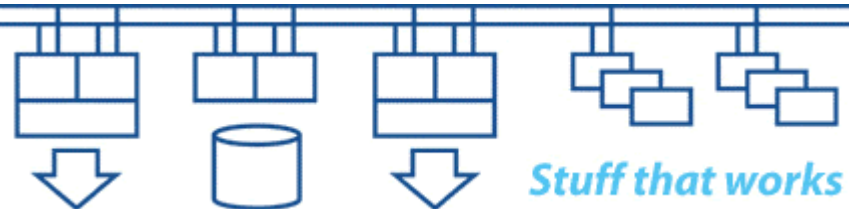
- **Windows installer – stand-alone PC**
- **Per PC licensing**
- **Runs on Windows 98 / NT4 / ME / 2000**
- **Some optional components require web server (eg: router Telesaving)**



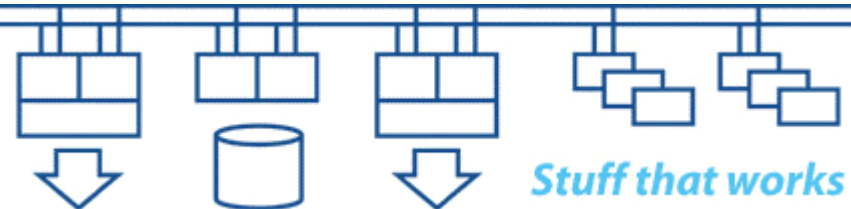
- **Limited new module support**
- **Does not support Fast Ethernet on MultiChassis 900 backplane.**
- **VNswitch modules have built-in web based interface for configuration. No configuration tool available. Web based help for VNswitch modules.**



- **Components**
- **Installation**
- **Limitations**

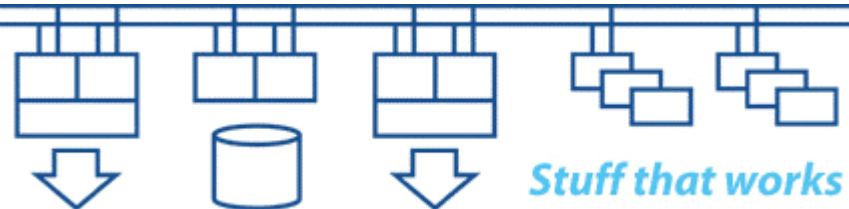


- **Database Manager**
- **MultiChassis manager**
- **Recovery Manager**
- **Flash Loader**
- **Spanning Tree Map**

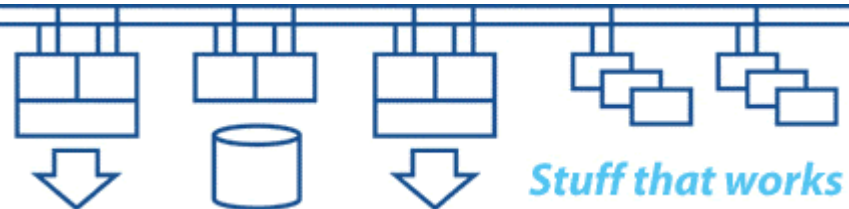


Does not support older hardware:

- **DEChub 90**
- **MultiSwitch 600 family**
- **Limited GigaSwitch support**
- **Limited new module support (in progress)**

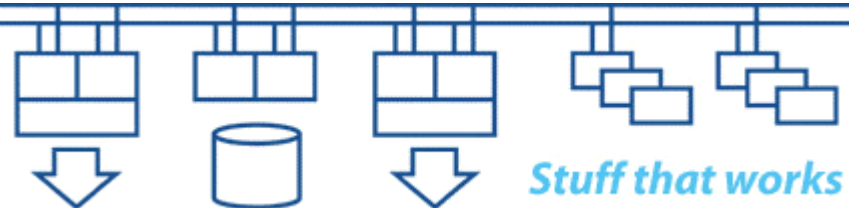


- **Only need to install server components**
- **Per server licensing**
- **Server runs on Windows 98 / NT4 / 2000, UNIXes etc.**
- **Server components require Web Server (PWS, IIS, Apache etc.)**
- **Clients use Web Browser with Java VM**

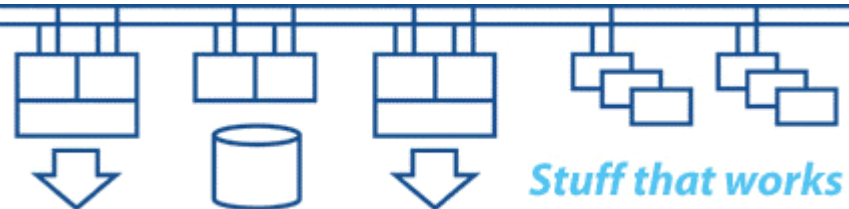


clearVISN V2 to V3

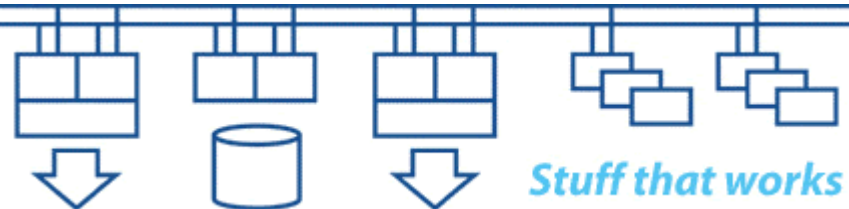
- **The obvious big difference – web server based not stand-alone**
- **Licensing changes**
- **Installation requires a web server (PWS, IIS, Apache ...)**
- **Configuration**
- **Licensing**



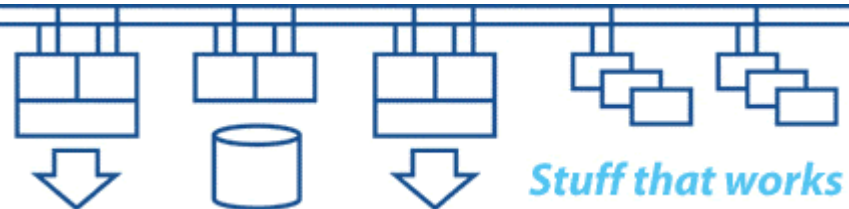
- **Web server choices**
- **Database migration**
- **Tools**
- **Support**
- **Database copying and backup / restore**



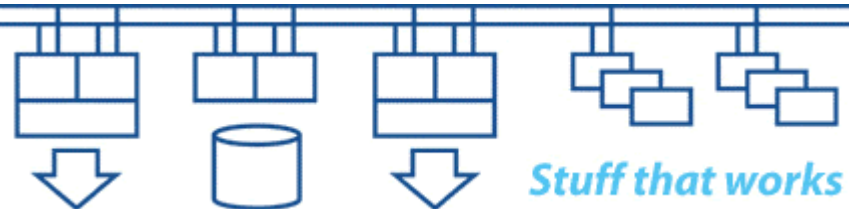
- **Don't be scared of the clearVISN Web Suite - it works, generally at least as well as or better than clearVISN for Windows.**
- **clearVISN Web Suite supports new and future modules.**
- **Keep it simple - use MultiChassis Manager, Recovery Manager and Flash Loader.**
- **Other applications are available for free 60day trial.**



Q & A



Thank you for coming and we hope that you've found it interesting and useful.



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