



FREE VIRTUALIZATION MANAGEMENT TOOLS

PROVIDENCE VMUG

NOVEMBER 19, 2015



INTRODUCTION

TWO DISCLAIMERS – “BEST” IS A HIGHLY SUBJECTIVE TERM, IN THIS PRESENTATION WE WILL HIGHLIGHT AND DEMO SOME TOOLS TO DEMONSTRATE WHAT’S AVAILABLE FOR FREE OR ALMOST FREE. YOUR MILEAGE MAY VARY AND USE OF ANY TOOLS IN YOUR OWN ENVIRONMENTS IS DONE ENTIRELY AT YOUR OWN RISK. TRY THESE AND OTHERS - TEST, THEN TEST SOME MORE BEFORE USING IN YOUR ENVIRONMENT!

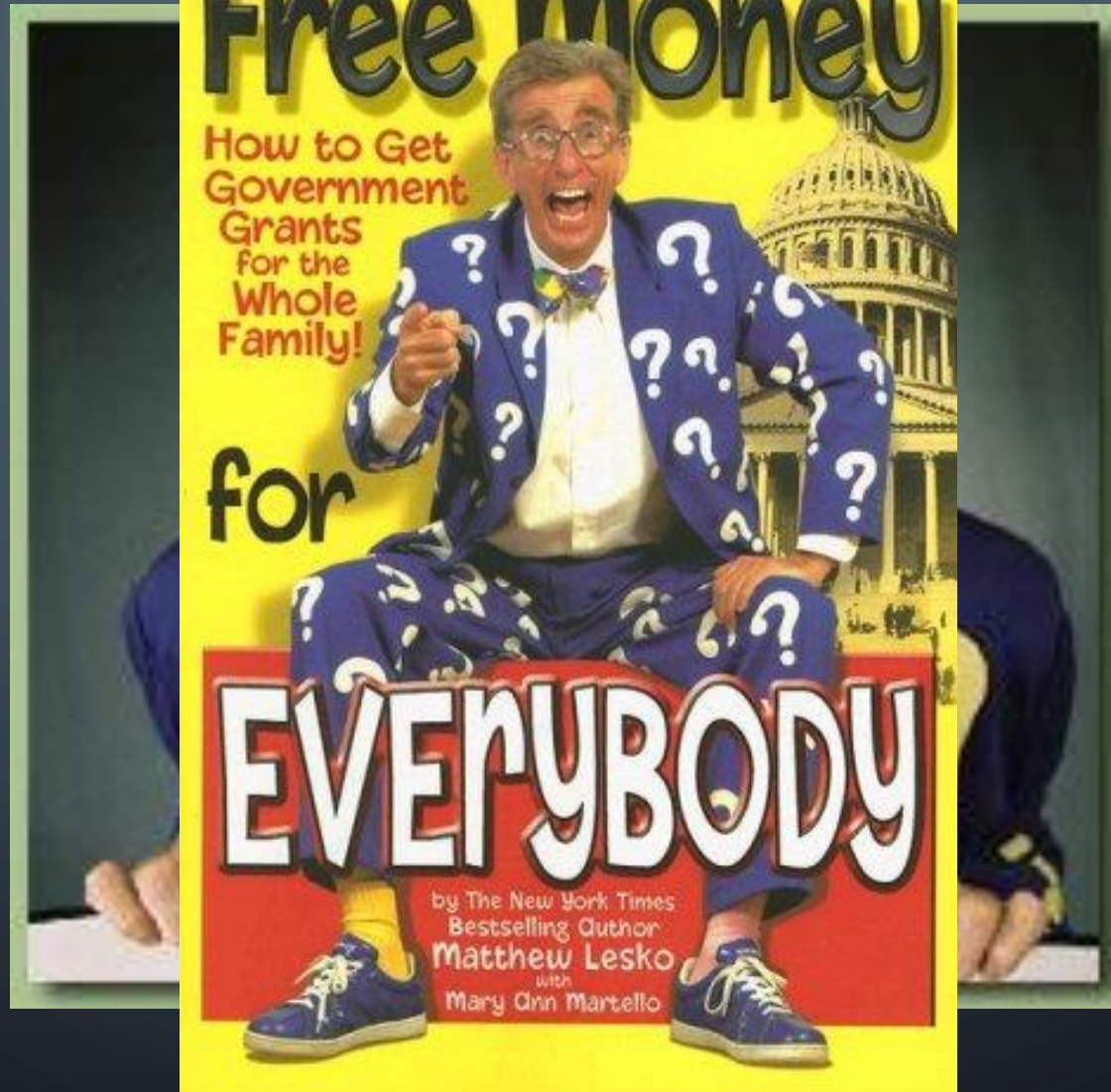
Matthew Lesko's
Free Money

How to Get
Government
Grants
for the
Whole
Family!

for

EVERYBODY

by The New York Times
Bestselling Author
Matthew Lesko
with
Mary Ann Martello



AGENDA

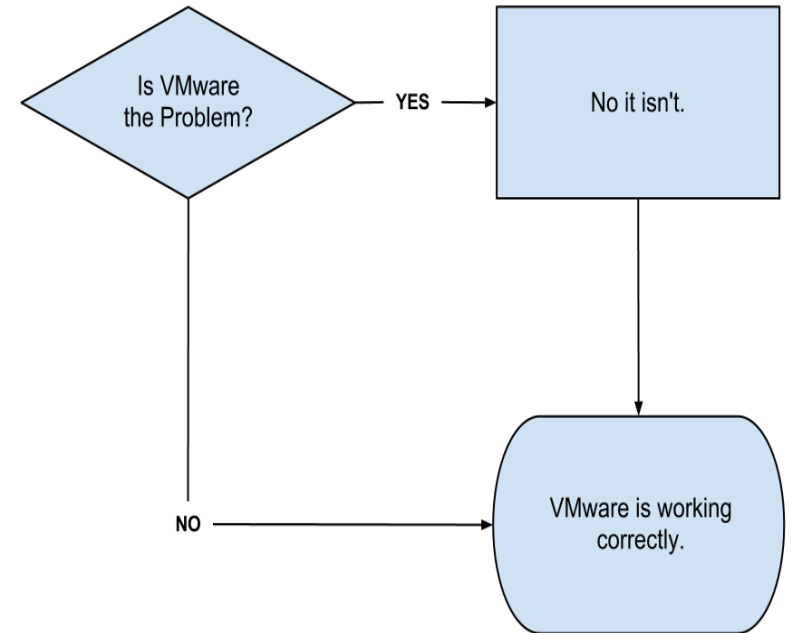
- Why FREE Tools
- Where to get free tools?
- Tools from VMWare
- Open Source/Community
- From Vendors
- BONUS Tools
- Other lists



WHY FREE TOOLS

- Who benefits? Who doesn't, but particularly small shops, consultants, teams under crushing budgets & technophiles
- Always great to have things in your admin utility belt
- Many are great troubleshooting or reporting tools, others can help with lab or home environments
- Some are just plain “cool”

VMware Troubleshooting Flowchart



WORD OF WARNING

- FREE is exactly that – SOMETIMES “you get what you pay for” - other times you may get more than you bargained for
- Many tools out there lack support or only work on certain versions
- Many tools can become quickly outdated, overlooked in the case of SW company mergers and/or disappear in a flash
- Many large software vendors use their free tools for sales leads and can be relentless in follow-up



WHERE TO GET FREE TOOLS?

- **VMWARE addons, things and flings**
- **Community Projects** and public domain
- **Small Software companies/Individual developers** looking to get their name out there, love the challenge or donation-ware
- **Large Software Companies** looking to give a taste of their enterprise commercial products with a mix of free and limited functionality products



VMWARE ADDONS, THINGS AND FLINGS (1)

- Free

- vSphere Hypervisor
- vCenter Converter
- PowerCLI
- Posters
 - <https://blogs.vmware.com/vsphere/2012/09/vmware-posters.html>
 - <http://www.running-system.com/vsphere-6-esxtop-quick-overview-for-troubleshooting/> <-NOT VMWARE but equally cool
- Hands On Labs – <http://hol.vmware.com>

The VMware logo is displayed in white text on a black rectangular background. The logo consists of the word "vmware" in a lowercase, sans-serif font, with a registered trademark symbol (®) to the upper right of the "e".

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VMWARE ADDONS, THINGS AND FLINGS (2)

- Requires License or Licensed Environment
 - vCenter Operations Manager Foundation 5.8.5**
 - vRealize Orchestrator (distributed with vCenter for Windows or Appliance download)
 - Data Protect (Essentials Plus and above)
 - vSphere Replication
 - VMWare Support Assistant
 - VM Watchlist APP – Android and iPhone

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**still shows on available downloads in my.vmware.com under 6.x but interoperability matrix only shows operational with 6.0 NOT 6.0 U1. There is no "foundation" mode currently for vROPS 6.x but maybe on roadmap.



DEMO – POWERCLI

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DEMO –SUPPORT ASSISTANT & ORCHESTRATOR

An abstract graphic on the left side of the slide, consisting of a network of thin, light-blue lines and small circles, resembling a circuit board or a neural network diagram. The lines are vertical and horizontal, with some diagonal connections, and the circles are placed at various points along these lines.

HIGHLIGHT - POSTERS



DEMO - VMWATCHLIST

VMWARE ADDONS, THINGS AND FLINGS (3)

- <http://labs.vmware.com/flings>
- Built by VMWARE engineers – some become new features in products
- Highlights:
 - VCS to VCSA converter
 - Onyx for Web Client
 - <https://www.youtube.com/watch?v=htq-t2mcBlo>
 - ESXi Embedded Host Client (non-Flash web client, host only)

Flings

Apps and tools built by our engineers that are intended to be played with and explored.

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DEMO – EMBEDDED CLIENT

SMALL SOFTWARE AND COMMUNITY

- RVTOOLS

- If info is valuable and available in the API it gets picked up by RVTools
- www.robware.net

- vCHECK (DAILY REPORT)

- <http://www.virtu-al.net/vcheck-pluginsheaders/vcheck/>
- Flavors for vSphere, Exchange, vCloud Air, SCVMM etc.
- Uses beyond the daily report*



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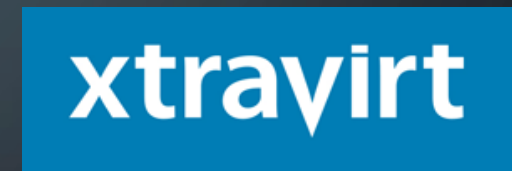
DEMO – RVTOOLS



HIGHLIGHT – VCHECK DAILY REPORT

VENDOR/PARTNER TOOLS

- Dell (formerly Quest) <http://software.dell.com/products/foglight-for-virtualization-free-edition/>
 - Foglight for Virtualization Free Edition
- Veeam - www.veeam.com/free-virtualization-software-vmware-hyper-v.html
 - Veeam ONE
 - Veeam Backup
 - Visio Objects
- XtraVIRT - <http://xtravirt.com/shop>
 - vPI – vBrownbag <https://vimeo.com/71875957>
 - vAlarm
 - Document downloader
 - Presentation stuffs
- SolarWinds - <http://www.solarwinds.com/downloads/>
 - VM Monitor
- VMTurbo - <http://vmturbo.com/product/virtualization-monitoring-software/>
 - Virtual Health Monitor





QUICK DEMO AND HIGHLIGHTS

VENDOR SITES, VEEAM ONE, XTRAVIRT VALARM, VPI

BONUS TOOLS – NOT NECESSARILY FOR VM

- PuTTY
 - www.putty.org
- WinSCP
 - [www.Winscp.net](http://www.winscp.net)
- PowerShell ISE
 - Included in Windows
- ConEMU
 - <http://conemu.github.io>



DEMO – CONEMU

LISTS AND STUFF

- <http://www.kendrickcoleman.com/index.php/Tech-Blog/a-list-of-free-vmware-vsphere-tools.html>
 - If for no other reason than the P2V cleanup script included: <http://kendrickcoleman.com/index.php/Tech-Blog/vm-advanced-iso-free-tools-for-advanced-tasks.html>
- <http://www.vmwarearena.com/2013/06/101-free-tools-for-vmware-administrators.html>
- <http://www.vladan.fr/free-tools-vmware/>
- Don't forget SysInternals - <https://technet.microsoft.com/en-us/sysinternals> (Procmon, Process Explorer, TCPView, etc)
- And if you were unable to go to VMWorld - <https://www.youtube.com/user/VMworldTV/playlists> - lots of sessions are posted for free on the YouTubes



"That's all Folks!"