

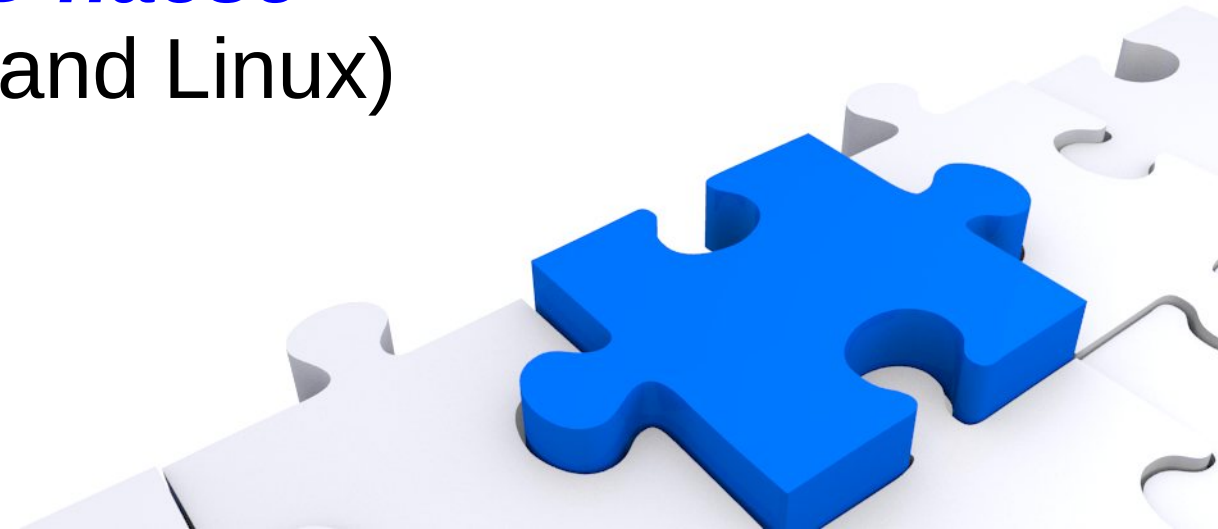
cfg2html

Cfg2html (or Config to HTML) project

URL: <http://www.cfg2html.com/>

Main author: *Ralph Roth*

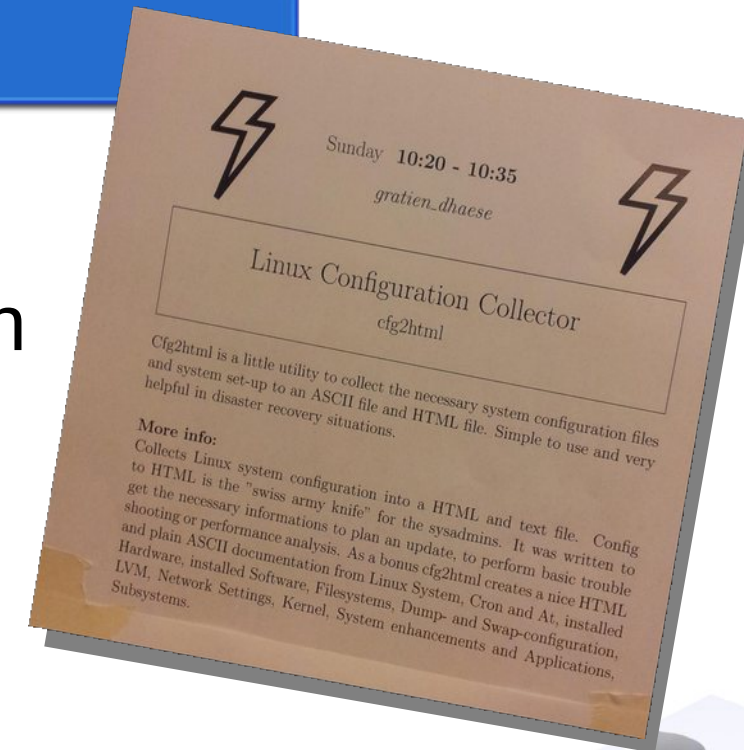
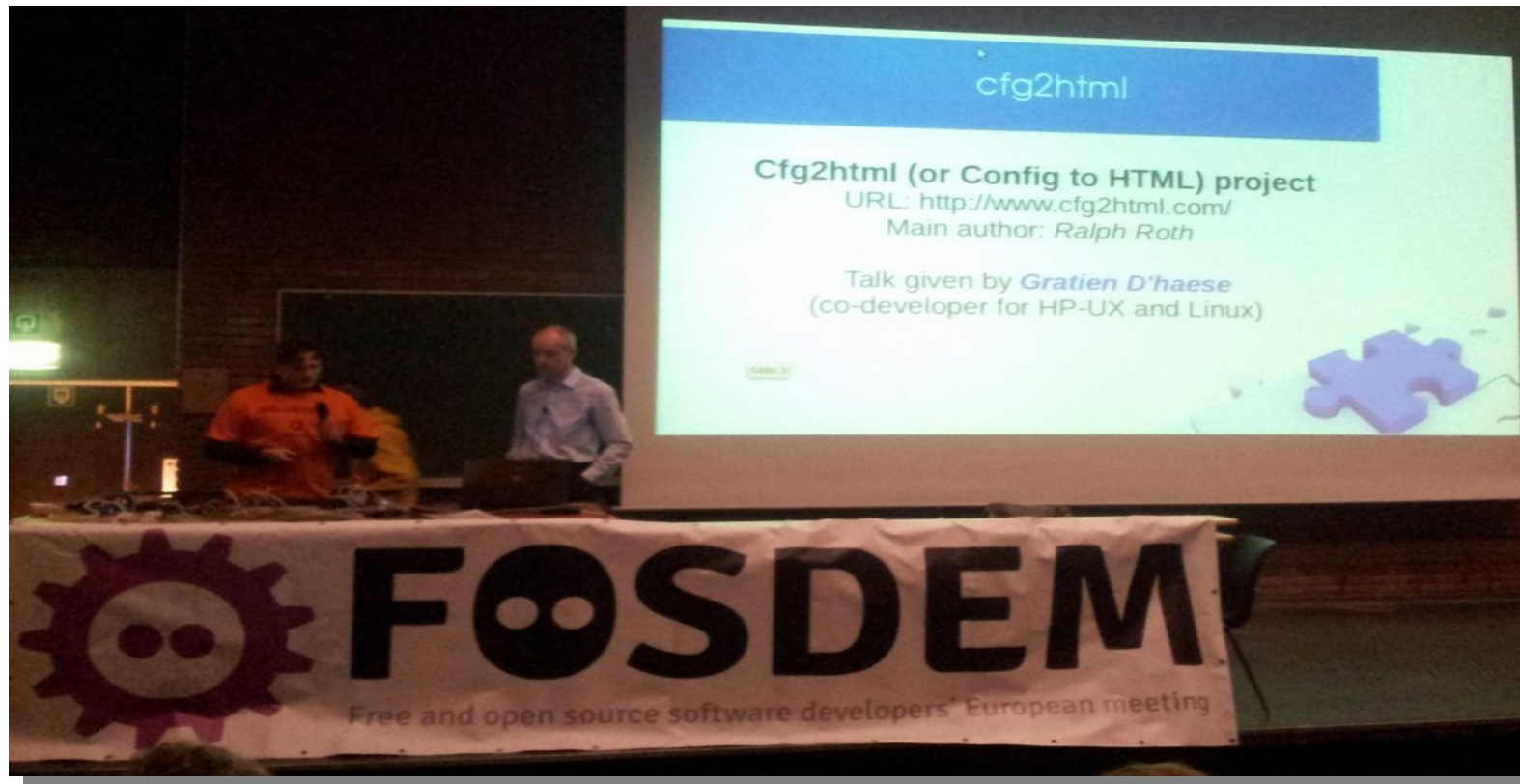
Talk given by ***Gratien D'haese***
(co-developer for HP-UX and Linux)



Cfg2html @ FOSDEM 2014

Original Presentation by Gratiën D'haese

Pictures and some URLs were added by Ralph Roth



What is cfg2html?

- A UNIX shell script (or collection of) to gather all kind of system information and combine these into one big ASCII and HTML file
- See it as a complete set of system documentation of an UNIX system
- Various versions are available for Linux, HP-UX, Solaris, AIX, Brocade switches
- Useful for sysadmins, support teams and in case of disasters
- License GPLv3



Similar tools as cfg2html available?

- System Configuration Collector (snapshots)
 - Web interface (via SCC-server part)
 - Logbook (easy to compare)
 - Support for various UNIX and Linux distro's
- Linux-Explorer (LINUXexplo)
 - Creates a gzipped tar archive
 - Linux only
- OSC Inventory NG Server for Unix
 - Focused on hardware

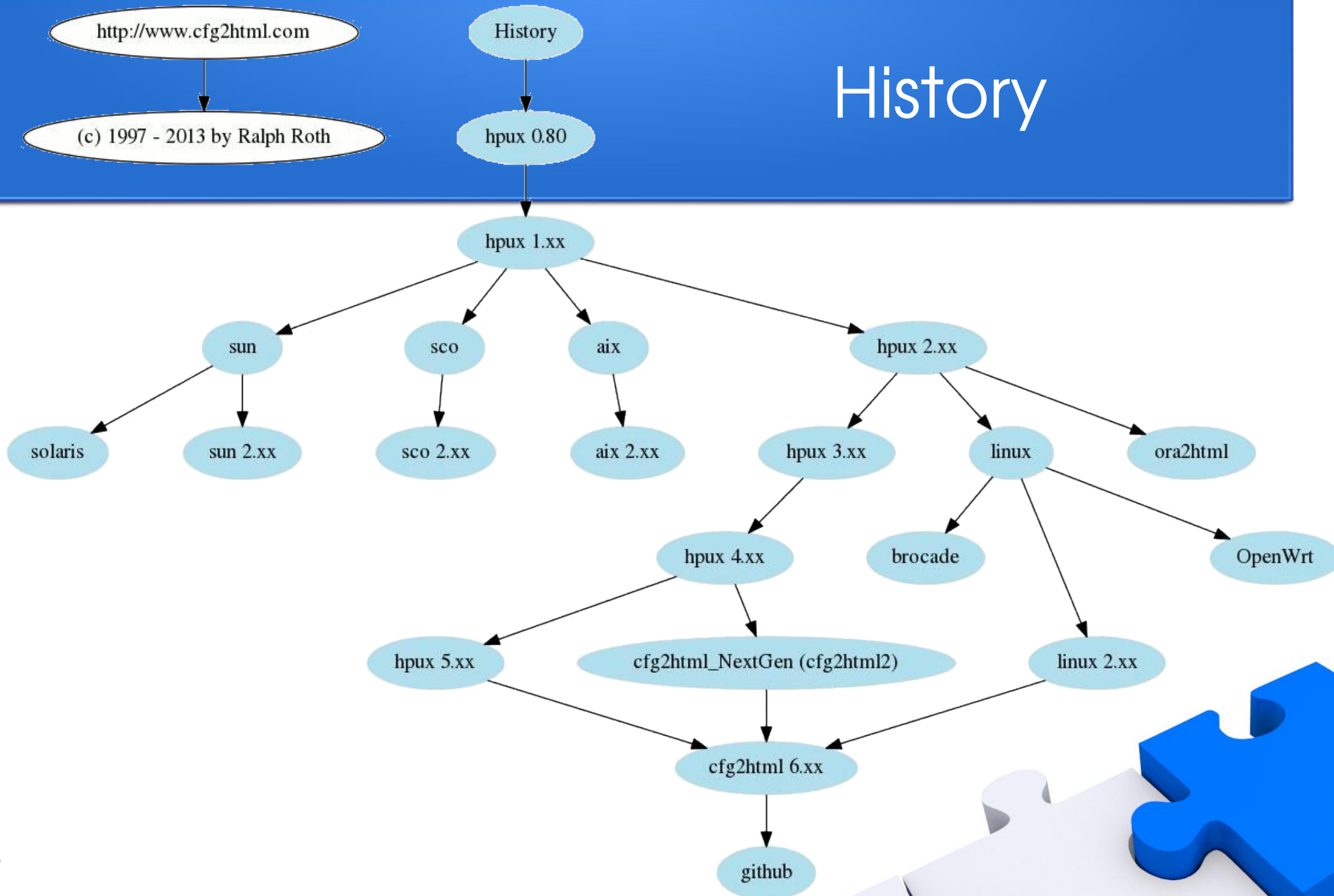


Pro-active vs. Reactive

- Reactive support tools to ease vendor assistance
 - SUSE: [supportconfig](#)
 - RHEL: [sosreport](#)
 - HP-UX: [getsysinfo.sh](#)
 - AIX: [zsnap](#)
 - SunOS: [SUN explorer](#)
- Pro-active support tools to ease system admin headaches
 - [Cfg2html](#) (collection of all your systems configuration on a central point (e.g. NFS share))



History



Where to get it?

- <http://www.cfg2html.com>
 - Main web site, including downloads
- <http://groups.yahoo.com/group/cfg2html/>
 - Download area for new and older releases
 - Mailing list archives
- <https://github.com/cfg2html/cfg2html>
 - Main development for version 6.x
 - Issues tracker
- <https://build.opensuse.org/package/show/home:gdha/cfg2html>
 - SUSE OpenBuild Service (OBS)
 - Ready to use packages build for SUSE and Fedora



How to use cfg2html?

- Usage: `sudo cfg2html -h`
- Run it: `sudo cfg2html`
 - You can run it from source tree, or
 - You can run it from RPM, DEB binary (Linux obviously)
 - @OBS - <http://download.opensuse.org/repositories/home:/gdha/>
 - Main script: `/usr/sbin/cfg2html`
 - Collector scripts: `/usr/share/cfg2html/...`
 - Configuration: `/etc/cfg2html/local.conf`,
`/usr/share/cfg2html/conf/default.conf`



Sample output of running cfg2html

```
$ sudo ./cfg2html
```

```
--=[ http://www.cfg2html.com ]=-----  
Starting          cfg2html-linux version 6.16-git201312020913  
Path to Cfg2Html  ./cfg2html  
HTML Output File /var/log/cfg2html/fedora20.html ←  
Text Output File /var/log/cfg2html/fedora20.txt  
Partitions       /var/log/cfg2html/fedora20.partitions.save  
Errors logged to  /var/log/cfg2html/fedora20.err  
Local config     ./linux/etc/local.conf  
Started at       2014-01-08 08:15:56  
WARNING          USE AT YOUR OWN RISK!!! :-))          <<<<<  
--=[ http://www.cfg2html.com ]=-----
```

```
Collecting: Linux System (Fedora release 20 (Heisenbug)) .....  
Collecting: Cron and At .....  
Collecting: Hardware .....  
Collecting: Software .....  
Collecting: Filesystems, Dump- and Swapconfiguration .....  
Collecting: Multipath Configuration .....  
Collecting: LVM .....  
Collecting: Network Settings .....  
Collecting: Kernel, Modules and Libraries .....  
Collecting: System Enhancements .  
Collecting: Applications and Subsystems .....
```

```
--=[ http://www.cfg2html.com ]=-----  
Returncode=1 (see /var/log/cfg2html/fedora20.err)
```



Output of /var/log/cfg2html/\$ (hostname).txt

```
Linux System (Fedora release 20 (Heisenbug)) ----  
- CPU and Model info  
- uname & hostname  
- Host alias  
- OS, Kernel version  
- Linux Standard Base Version  
- OS Specific Release Information (/etc/fedora-release)  
- OS Specific Release Information (/etc/os-release)  
- OS Specific Release Information (/etc/redhat-release)  
- OS Specific Release Information (/etc/system-release)  
- POSIX Standards/Settings  
- locale specific information  
- System ulimit  
- System Configuration Variables  
- Used Memory and Swap  
- Detailed Memory Usage (meminfo)  
- Zoned Buddy Allocator/Memory Fragmentation and Zones  
- Kernel slabinfo Statistics  
- Additional page allocator information  
- Per-zone page allocator  
- VM-Statistics 1 10  
- VM-Statistics (Summary)  
- Uptime  
- Active Process - Tree Overview  
- Top load processes  
- Top memory consuming processes  
- Top file handles consuming processes  
- reboots
```



(\$hostname).html view

fedora20 - System Documentation

Created "2014-01-08 08:15:56" with " cfg2html 6.16-git201312020913 "

Linux fedora20 3.11.10-301.fc20.x86_64 #1 SMP Thu Dec 5 14:01:17 UTC 2013 x86_64 x86_64 x86_64 GNU/Linux

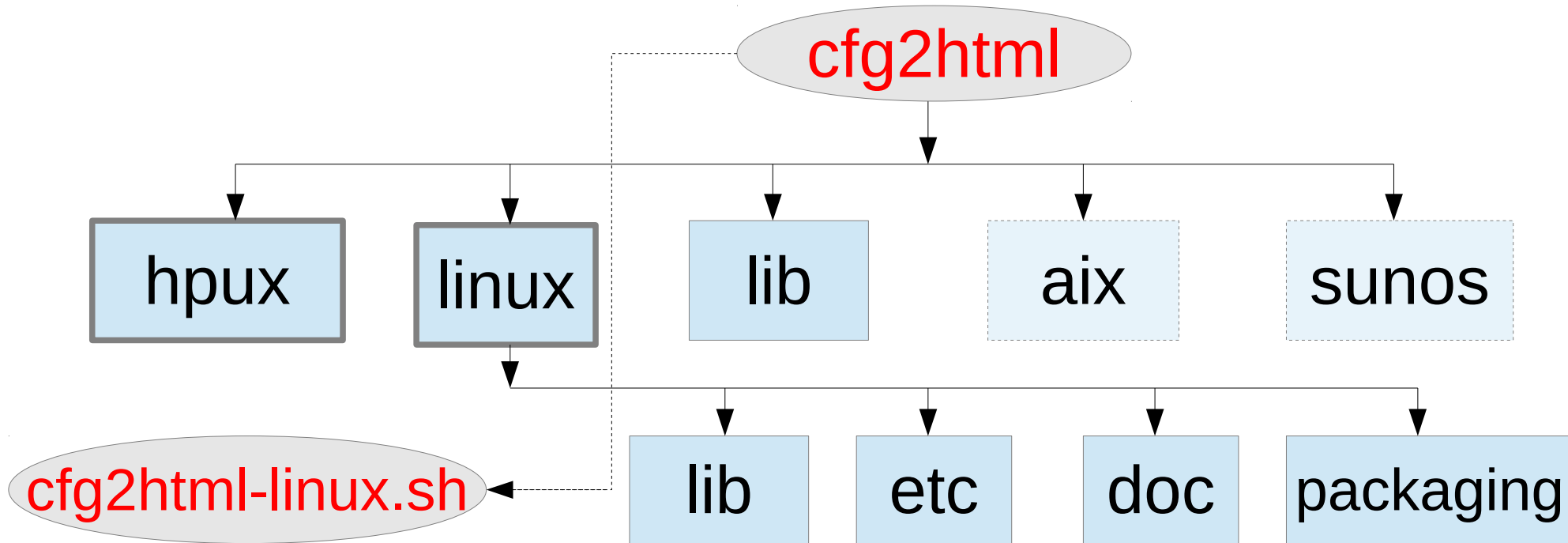
Contents

Linux System (Fedora release 20 (Heisenbug))

- CPU and Model info
- uname & hostname
- Host alias
- OS, Kernel version
- Linux Standard Base Version
- OS Specific Release Information (/etc/fedora-release)
- OS Specific Release Information (/etc/os-release)
- OS Specific Release Information (/etc/redhat-release)
- OS Specific Release Information (/etc/system-release)
- POSIX Standards/Settings
- locale specific information
- System ulimit
- System Configuration Variables
- Used Memory and Swap
- Detailed Memory Usage (meminfo)
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- Additional page allocator information
- Per-zone page allocator
- VM-Statistics 1 10
- VM-Statistics (Summary)



Source Tree



```
$ git clone git@github.com:cfg2html/cfg2html.git
```

Configuration Files

- `/etc/cfg2html/default.conf` (main configuration file)
 - Should not be changed; add your preferences in the `local.conf`
- `/etc/cfg2html/local.conf` (your personalized configuration file)
 - **OUTPUT_URL**=`nfs://nfs.company.com/vol/cfg2html/linux`
 - `mount nfs.company.com:/vol/cfg2html/linux /mnt`
 - `ls -l /mnt/cfg2html/`
`drwxr-xr-x 2 nobody nogroup 4096 Jan 9 00:40 lnx02`



We need your help



- We are looking for developers for AIX, Solaris,...
- AIX: <https://sourceforge.net/projects/cfg2html/>
 - Version dates from September 2011 (v2.81)
- Solaris: <http://groups.yahoo.com/neo/groups/cfg2html/files/sun/>
 - Version dates from April 2012 (v1.7)



Thank You!

Q & A

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