



**Hewlett Packard
Enterprise**

Redfish Workshop – OSS+ELC NA 2019

Sponsored by HPE and SUSE

August 2019

Introducing Bruno Cornec

- Software engineering and Unices since 1988:
 - Mostly Configuration Management Systems (CMS), Build systems, quality tools, on multiple commercial Unix systems
 - Discovered Open Source & Linux (OSL) & made first contributions in 1993
 - Full time on OSL since 1995, first as HPE reseller then @HPE
- Currently:
 - OSL Technology **Strategist** in HPE EMEA Enterprise Group Presales, Grenoble, France
 - HPE OSL **Advocate** and Converged Infrastructure **Ambassador**
 - WW Linux Community Lead for the HPE **Open Source Profession**
 - POSS conference, OpenStack.fr and AFUL **board member**. Conferences at WW level at LinuxCon, Linux.conf.au, Fosdem, ...
 - MondoRescue, Project-Builder.org, python-redfish, UUWL and PUSK **Project Lead**
 - LinuxCOE, mrepo, tellico, rinse, fossology, collectl, Ironic **contributor**
 - FOSSBazaar/SPDX and OSL **Governance** enthusiast
 - Mandriva, Mageia, Fedora **packager**
- And also:
 - Amateur singer (Alto / Tenor), recorder player since 1976 and Choir **director** since 1987, CD collector (6000+), Concerts, Photography



Introducing Bryan Gartner

- Overview
 - HP (Past Career), 28+ years
 - Electrical Engineer, Hardware Designer
 - IT, Lead Linux Architect
 - Linux Enablement Engineer
 - SUSE, 6+ years
 - Sr. Technology Strategist

Redfish Workshop Agenda - Morning

09:00-09:10 - Workshop Intro (thanks for SUSE and HPE, agenda pres) - (10')

09:10-09:45 - Introduction to Redfish - Bruno Cornec (35')

- Definitions
- Why Redfish ?
- Data Model with DMTF reference models and Demo

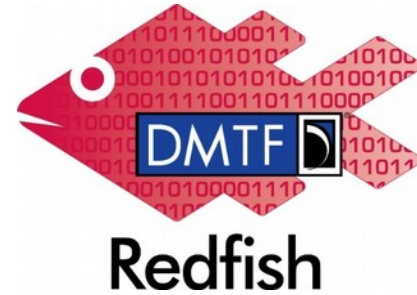
09:50-11:20 - The Redfish Standard - Jeff Autor (1h30')

- Status
- What's new since last year in 2018.2/3
- Power & Cooling infra data model

11:20-11:50 - Configuring Bios via Redfish - Ghazi Belaam (30')

- Configuring Boot options
- Configuration tools (DMTF Tackle Box)

11:50-12:30 - Meet the experts (30')



Redfish Workshop Agenda - Afternoon

12:50-14:00 - Lunch & Networking

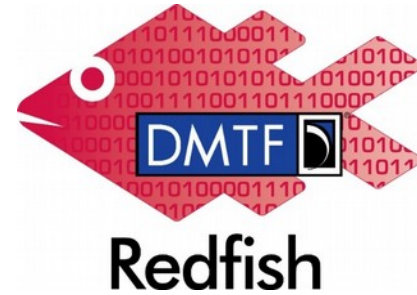
14:00-15:00 - Redfish usage in Software Stacks: the SUSE example - Bryan Gartner (1h)

- Bare Metal deployment with Redfish and Ironic in SUSE OpenStack Cloud 9)
- Prototype demo of Redfish usage with Saltstack & SUSE Manager
- Terraform + OneView (Using Redfish REST API)

15:00-16:45 - Hands-on lab on learning Redfish with python - Bruno Cornec (1h45')

- Redfish concepts and Command Line Interface tools
- Redfish using the request python module
- Redfish using the JSON module
- Redfish using the python-redfish library & tools
- Redfish using an existing python DMTF example

16:45-17:00 - Round table at the end for a Q&A session – All



Redfish Workshop Logistics

WIFI Code: linux1991

Next Workshop after the OSS+ELC EMEA, Lyon, France October 31st. 2019.

