

Hewlett Packard  
Enterprise



**MATINFO**

Groupement d'achat de matériel  
informatique pour l'enseignement supérieur  
et la recherche

# HPE ILO ADVANCED

Présentateur : Faouzi Khiari

16 février 2023

# AGENDA

---

- Récapitulatif rapide de la console iLO
- Démarrage avec l'Ilo d'un serveur HPE « Première connexion »
- Actions courantes d'admin de la console ILO
- Actions courantes d'administration du serveur depuis la console ILO



# CONSOLE ILO

---

- Permet d'exécuter des commandes de contrôle à distance
  - Gérer l'alimentation.
  - surveiller l'état de son serveur via les sondes.
- Prendre la main sur une console graphique.
- Configurer des paramètres de Bios
- Faire une installation.
- Faire des mise à jour
- ...



- Support "create account Hpe passport account"first !!
- Hpe site <https://internal.support.hpe.com/hpesc/public/home>

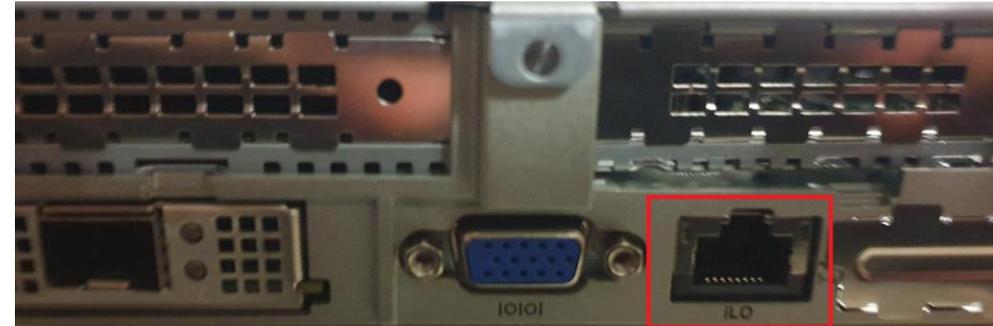
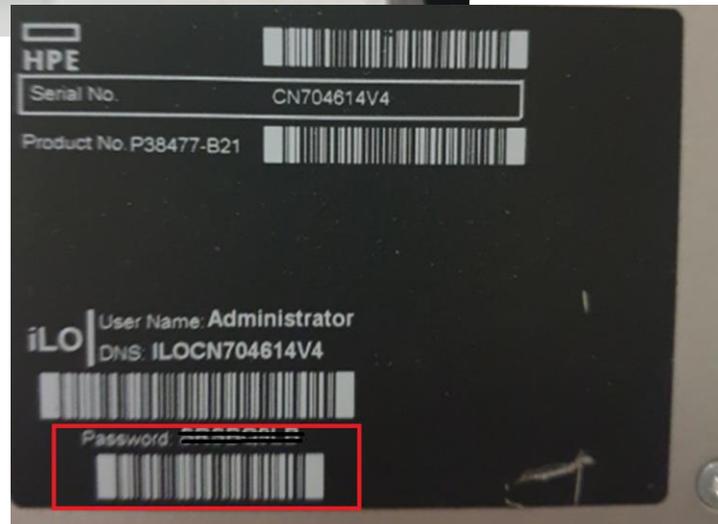
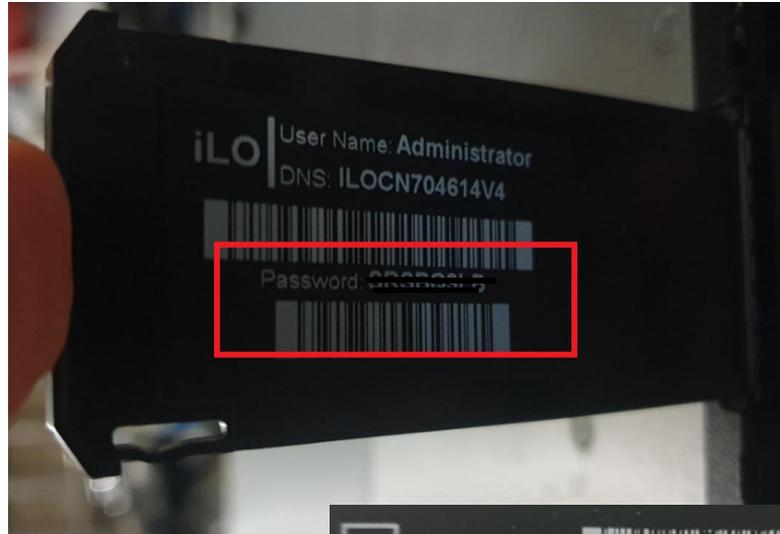


## Première connexion

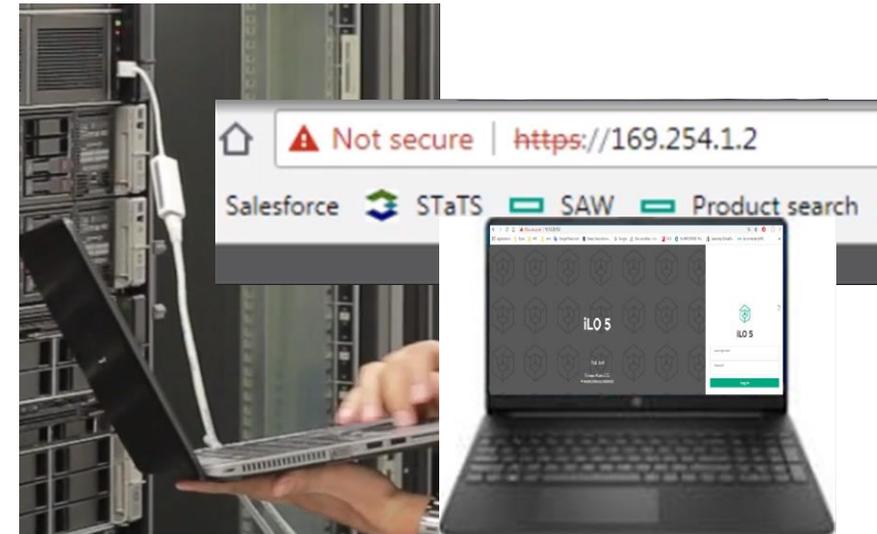
- Récupération des informations
- RBSU
- configuration reseau



# Première connexion



Port RJ45



<https://www.youtube.com/watch?v=YYyvYuuVa4M>



# Première connexion

**HPE ProLiant**

Hewlett Packard Enterprise

(C) Copyright 1982-2020 Hewlett Packard Enterprise Development LP  
HPE ProLiant DL385 Gen10  
System ROM Version: A40 v2.44 (10/29/2020)  
Serial Number: 7CE732P3CR

Installed System Memory: 128 GB, Available System Memory: 128 GB

2 Processor(s) detected, 64 total cores enabled, SMT is disabled  
Proc 1: AMD EPYC 7601 32-Core Processor  
Proc 2: AMD EPYC 7601 32-Core Processor  
xGMI Speed: 10.6 GT/s

Workload Profile: General Power Efficient Compute  
Power Regulator Mode: OS Control  
Advanced Memory Protection Mode: Advanced ECC Support  
Boot Mode: UEFI  
HPE SmartMemory authenticated in all populated DIMM slots.

Starting required devices. Please wait, this may take a few moments...

iLO 5 IPv4: 10.12.39.151  
iLO 5 IPv6: FE80::D6C9:EFFF:FECE:3EE0

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Server Configuration Lock	Secure Start	Smart Storage Energy Pack
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Smart Array	Dynamic Power Capping	HPE SmartMemory
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
HPE RESTful API	Intelligent Provisioning	Sea of Sensors 3D
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
iLO Management Engine	iLO Advanced	Agentless Management

**F9** System Utilities   **F10** Intelligent Provisioning   **F11** Boot Menu   **F12** Network Boot



# Première connexion

The screenshot shows the HPE System Configuration utility interface. At the top left, the Hewlett Packard Enterprise logo is visible. The main title is "System Configuration". Below the title, there are navigation arrows for "System Utilities" and "System Configuration".

On the left side, a dark green panel displays the server information: "HPE ProLiant DL385 Gen10", "Server SN: 7CE732P3CR", "iLO IPv4: 10.12.39.151", "iLO IPv6: FE80::D6C9:EFF:FECE:3EE0", and "User Default: OFF". Below this, a list of keyboard shortcuts is provided: "Enter: Select", "ESC: Exit", "F1: Help", "F7: Load Defaults", "F10: Save", and "F12: Save and Exit". A QR code is also present, with the URL "http://www.hpe.com/qref/ProLiantGen10UEFI-Help" below it.

The main content area is titled "System Configuration" and lists several configuration options, each with a green arrow icon to its right:

- BIOS/Platform Configuration (RBSU) →
- iLO 5 Configuration Utility →
- Embedded RAID 1 : HPE Smart Array E208i-a SR Gen10 →
- Embedded LOM 1 Port 1 : HPE Ethernet 1Gb 4-port 331i Adapter - NIC →
- Embedded LOM 1 Port 2 : HPE Ethernet 1Gb 4-port 331i Adapter - NIC →
- Embedded LOM 1 Port 3 : HPE Ethernet 1Gb 4-port 331i Adapter - NIC →
- Embedded LOM 1 Port 4 : HPE Ethernet 1Gb 4-port 331i Adapter - NIC →
- Embedded FlexibleLOM 1 Port 1 : HP FlexFabric 10Gb 2-port 533FLR-T Adapter - Multi →
- Embedded FlexibleLOM 1 Port 2 : HP FlexFabric 10Gb 2-port 533FLR-T Adapter - Multi →

At the bottom of the interface, there are several buttons: "Exit", "Changes Pending" (with a radio button), "Reboot Required" (with a radio button), "F7: Load Defaults", "F10: Save", and "F12: Save and Exit".



# Première connexion

The screenshot shows the HPE System Configuration utility interface. At the top, the navigation bar includes 'System Utilities', 'System Configuration', and 'iLO 5 Configuration Utility'. The main content area is titled 'iLO 5 Configuration Utility' and features a sidebar on the left with server information: 'HPE ProLiant DL385 Gen10', 'Server SN: 7CE732P3CR', 'iLO IPv4: 10.12.39.151', 'iLO IPv6: FE80::D6C9:EFFF:FECE:3EE0', and 'User Default: OFF'. The main menu includes 'Network Options', 'Advanced Network Options', 'User Management', 'Setting Options', 'Set to factory defaults', 'Reset iLO', and 'About'. The 'Set to factory defaults' and 'Reset iLO' options are accompanied by dropdown menus currently set to 'NO'. A bottom navigation bar contains buttons for 'Exit', 'Changes Pending', 'Reboot Required', 'F7: Load Defaults', 'F10: Save', and 'F12: Save and Exit'. A QR code and a URL are also visible in the bottom left corner.



# Première connexion

**Hewlett Packard Enterprise** System Configuration

System Utilities > System Configuration > iLO 5 Configuration Utility > Network Options

**HPE ProLiant DL385 Gen10**  
Server SN: 7CE732P3CR  
iLO IPv4: 10.12.39.151  
iLO IPv6: FE80::D6C9:EFFF:FECE:3EE0  
User Default: OFF

## Network Options

**MAC Address**: D4:C9:EF:CE:3E:E0

**Network Interface Adapter**: ON

**Transceiver Speed Autoselect**: ON

**VLAN Enable**: OFF

**DHCP Enable**: ON

**DNS Name**: neoamd

**IP Address**: 10.12.39.151

**Subnet Mask**: 255.255.255.0

**Gateway IP Address**: 10.12.39.1

**Help: DHCP Enable**

Enter: Select  
ESC: Exit  
F1: Help  
F7: Load Defaults  
F10: Save  
F12: Save and Exit

<http://www.hpe.com/qref/ProLiantGen10UEFI-Help>

Exit    Changes Pending    Reboot Required    F7: Load Defaults    F10: Save    F12: Save and Exit

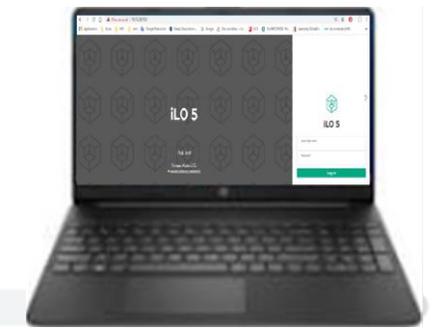
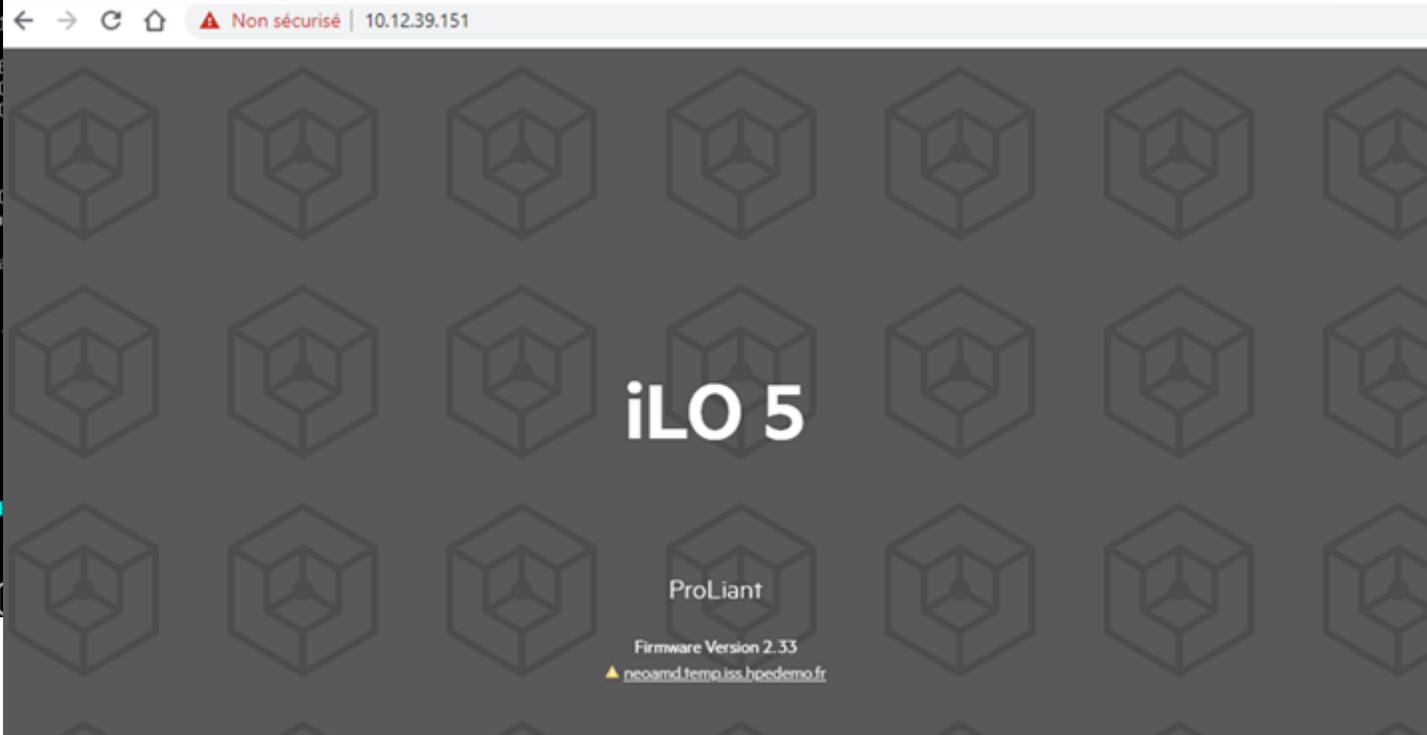


# Première connexion



(C) Copyright 1982-2020 Hewlett Packard Enterprise Development LP  
HPE ProLiant DL385 Gen10  
System ROM Version: A40 v2.44 (10/29/2020)  
Serial Number: 7CE732P3CR

Installed System Memory: 16 GB  
2 Processor(s) detected, 64 GB  
Proc 1: AMD EPYC 7601 32-0  
Proc 2: AMD EPYC 7601 32-0  
kGMI Speed: 10.6 GT/s  
Workload Profile: General  
Power Regulator Mode: DS C  
Advanced Memory Protection  
Boot Mode: UEFI  
HPE SmartMemory authentication  
Starting required devices  
iLO 5 IPv4: 10.12.39.151  
iLO 5 IPv6: FE80::D6C9:EF  
F9 System Utilities



## Actions courantes d'admin de la console ILO

---

- Explication interface
- Connexion à l'Ilo
- Naviguer dans l'interface et explication
- Ensemble de configuration réseau
- Authentification ILo
- Voir le micrologiciel
- Vérifier la licence
- Récupération des journaux



# Première connexion

Non sécurisé | 10.12.39.151

Applications Ecole HPE remi Google Traduction DeepL Traduction ... Google Site par défaut - Liv... OCA 1to1PROGRESS : Fo... // Learnship GlobalEn... Se connecter | HPE... HPE Tech Pro HPE Demonstration... HPE DEV HackShack

**iLO 5**  
2.33 Dec 09 2020

**Information - iLO Overview**

Overview Security Dashboard Session List iLO Event Log Integrated Management Log Security Log Active Health System Log Diagnostics

### Information

<b>Server Name</b>	lilou12.localdomain
<b>Product Name</b>	ProLiant DL385 Gen10
<b>UUID</b>	41544542-4B53-4337-4537-333250334352
<b>Server Serial Number</b>	7CE732P3CR
<b>Product ID</b>	BETASKU-007
<b>System ROM</b>	A40 v2.44 (10/29/2020)
<b>System ROM Date</b>	10/29/2020
<b>Redundant System ROM</b>	A40 v1.40 (01/25/2019)
<b>Remote Console</b>	<a href="#">HTML5</a> <a href="#">f</a> <a href="#">NET</a> <a href="#">Java Web Start</a>
<b>License Type</b>	iLO Advanced
<b>iLO Firmware Version</b>	2.33 Dec 09 2020
<b>IP Address</b>	10.12.39.151
<b>Link-Local IPv6 Address</b>	FE80:D6C9:EFFF:FECE:3EE0
<b>iLO Hostname</b>	neoamd.temp.iss.hpdemo.fr

### Status

<b>System Health</b>	⚠ Degraded
<b>iLO Health</b>	✅ OK
<b>iLO Security</b>	🔴 Risk
<b>Server Power</b>	🟢 ON
<b>UID Indicator</b>	🔕 UID OFF
<b>Trusted Platform Module</b>	Not Present
<b>microSD Flash Memory Card</b>	Not Present
<b>iLO Date/Time</b>	Tue Nov 16 17:36:18 2021

### Network

**iLO Dedicated Network Port**  
10.12.39.151  
FE80:D6C9:EFFF:FECE:3EE0  
neoamd.temp.iss.hpdemo.fr

**iLO Shared Network Port**  
Disabled

**iLO Virtual NIC**  
Disabled

### Connection to HPE

⚠ Not registered

System Configuration

Network Options



# DEMO



# Actions courantes d'administration du serveur depuis la console ILO

---

- Ouvrir une console
- Monter un fichier Iso
- Firmware / Driver “SPP bundle”



# DEMO



# Actions courantes d'administration du serveur depuis la console ILO



# Actions courantes d'administration du serveur depuis la console ILO

## Mise à jour via SPP

The screenshot displays the iLO 5 Smart Update Manager 8.9.0 interface. The main window shows the 'Localhost Guided Update' process, which is currently in the 'Step 3 Deployment' phase. A green arrow points from the 'Start Over' button to the 'Reboot' button. A red box highlights the 'Firmware Update Completed' message and the 'Reboot' button. A red box also highlights the 'Reset the host server power. Server Power' link in the 'Information - iLO Overview' section.

**Information - iLO Overview**

- Information
- System Information
- Firmware & OS Software
- iLO Federation
- Remote Console & Media
- Power & Thermal
- iLO Dedicated Network Port
- iLO Shared Network Port
- Remote Support
- Administration
- Security
- Management
- Lifecycle Management

**Localhost Guided Update**

Step 1 Inventory | Step 2 Review | **Step 3 Deployment**

Deployment

- localhost Deployment in progress

Start Over | Abort | **Reboot**

**Warnings/Alerts**

Back | **Deploy** | Start Over



**MATINFO**

Groupement d'achat de matériel  
informatique pour l'enseignement supérieur  
et la recherche



**Hewlett Packard  
Enterprise**

**Merci**