

**Hewlett Packard  
Enterprise**



# **NonStop Technical Boot Camp 2023 TBC23-TB70 HPE NonStop Education and Training Update**

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September 2023

# Forward-looking statements

This is a rolling (up to three year) Roadmap and is subject to change without notice

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This document contains forward looking statements regarding future operations, product development, product capabilities and availability dates. This information is subject to substantial uncertainties and is subject to change at any time without prior notification. Statements contained in this document concerning these matters only reflect Hewlett Packard Enterprise's predictions and / or expectations as of the date of this document and actual results and future plans of Hewlett Packard Enterprise may differ significantly as a result of, among other things, changes in product strategy resulting from technological, internal corporate, market and other changes. This is not a commitment to deliver any material, code or functionality and should not be relied upon in making purchasing decisions.



# Agenda

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**Where are we today**

**NonStop Virtual LAB changes**

**Where did the NonStop Engineering courses go**

**New and updated courses**

**Future development**

**NonStop Professional Achievement Program**



## **In case you don't know**

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- Since 2017, Continuous NonStop IT Solutions / NonStop Academy has been in partnership with HPE for developing and delivering NonStop Education in the North-America (AMS) and EMEA regions.
- This partnership was extended at the beginning of 2021 and now includes HPE's Latin America (LAR) region which includes Central and South America.
- Each region has a Continuous/NonStop Academy representative available to assist you with any NonStop Education needs or questions:
  - EMEA – Ron Meijer
  - AMS – Joe Androlowicz
  - LAR – Fernando Otero
- You can also contact your local HPE Education representative anytime and we work closely with each country education manager to ensure your success.



## Where are we today

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- The NonStop Education portfolio required a lot of attention when Continuous stepped in (2017).
- In the last 6 years we have worked hard to update existing and create new courses.
- Statistics do show that both quantity and quality of the courses has been increased year over year.
- But we are not there yet. We now have a stable curriculum and will be expanding it moving forward.
- We are now working to increase and maximize the quality and customer satisfaction
- We have currently ~60 active NonStop courses in the catalogue.



# NonStop Virtual LAB changes

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- Earlier this year HPE decided to close the Lelystad site in the Netherlands.
  - This was a shared site with HPE and Continuous.
  - This is where the word-wide NonStop Education vLAB was located.
- Continuous had the choice to continue at the site or to move. Because the site was too large to maintain, we decided the move.
- Continuous acquired a new building in Enkhuizen (The Netherlands) and built a brand-new datacenter for the NonStop Education vLAB. The new site is fully operated by Continuous and is no longer shared with HPE.
- HPE moved their HPE owned equipment (6 NonStop servers) to the German Boeblingen vLAB. When required we can share/use HPEs equipment in either the German vLAB in Boeblingen or the USA vLAB in Alpharetta.



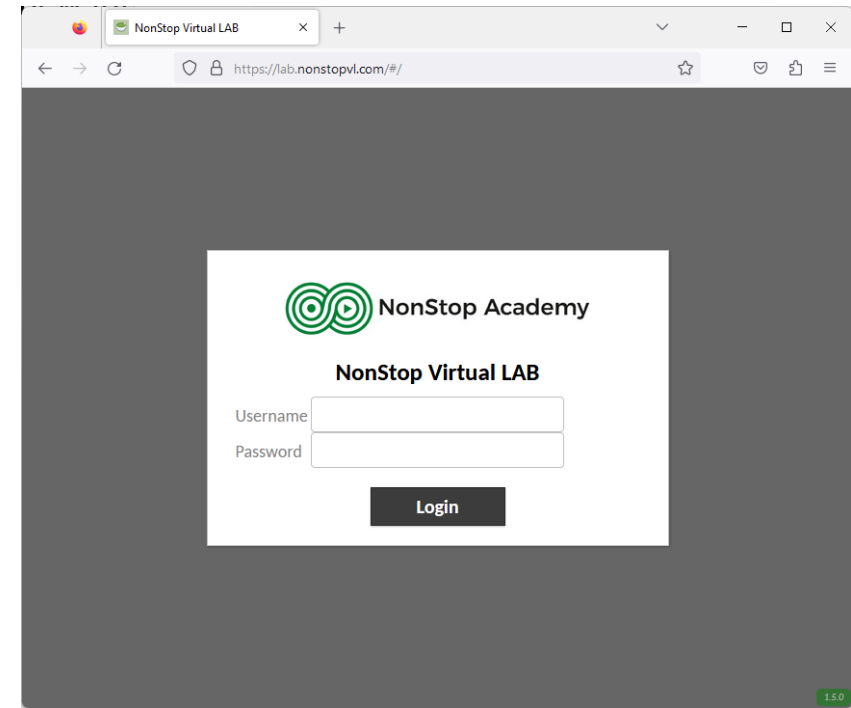
# NonStop Virtual LAB move

- The actual move of the NonStop Education vLAB only required a down-period of 5 days.
- While building the new datacenter we continued delivery of our courses using the Lelystad site.
- Once the new site was ready, all the equipment was packed and transported in 3 days.
  - With the necessary preparation.



# The new NonStop Virtual LAB Front-End

- During this move we took the opportunity to replace the Windows front-end. We installed new equipment and an Apache clientless RDP solution for accessing the front-end Windows VMs along with new inhouse developed software based on Ansible for automated course deployment.
- More possibilities. We no longer have a need to hop to VTCs or NSCs so it's accessible directly from the front-end.





# NonStop Virtual LAB

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- The new NonStop Education Virtual LAB is a little smaller in size compared to the Lelystad site, but more than sufficient to house many NonStop Servers and peripherals. Currently we are running fourteen 19” racks.
- Because the datacenter was built from scratch, it was possible to install modern technologies and make the datacenter future-proof and environmentally friendly.
  - Green and modern cooling technology – brings down the power consumption for cooling by 75%
  - Installation of Solar panels to reduce our power consumption from the grid by 18%
  - Buying only renewable energy from either windmills or Solar panels



## **Where did the NonStop Engineering courses go**

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- In 2021 HPE sourced back the NonStop Engineering courses.
- In total 11 engineering courses moved back to a new internal HPE organization.
- The engineering courses are now part of the HPE TLS (Technical Learning Services) department and only available for HPE internal and support partners.
- We are contracted by HPE TLS to deliver the engineering course, but we are no longer responsible for course content and scheduling. However, we still support HPE TLS with course development/updates.



## New courses

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- HT2K7S - HPE NonStop HTTP Server (NSHTTP)
- HT2K8S - HPE NonStop BackBox Administration
- Idelji Web ViewPoint Enterprise – available soon

Under development:

- XYpro XMA and XUA
- BACKUP and RESTORE utilities for NonStop Systems
- HPE Nonstop Shadowbase™ Administration
- HPE NonStop API Gateway
- Idelji Local Analyst



## Updated courses

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- HG7C2S - HPE NonStop Enscribe File System
- HT2K7S - HPE NonStop HTTP Server (NSHTTP)
- HG7C5S - HPE Nonstop Shadowbase™ Architecture, Installation and Configuration

**UPDATED**



# Future course development

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- We will soon begin updating the NonStop Administration courses
  - Today we have 3 administration courses of each 5 days
  - We believe that the Administration courses require an update
  
- Should we make them shorter, 3 days versus 5 days?
- What do you think about courses with ½ days instead of full days?
  - We did a few deliveries on request with ½ days, and the students liked it a lot.



# NonStop Professional Achievement Program

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# What Is It?

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This is the **NonStop Professional** - Achievement program

- Recognizes individuals have an acquired set levels of knowledge in NonStop subject areas.
- Much more than a typical course “certificate of achievement”.
- Achievements are earned by passing exams specifically designed and developed to prove you have a minimum level of knowledge AND experience in tested content areas.
- The program is NOT affiliated with HPE Certification or Digital Badge programs
- Achievements do NOT guarantee specific skills but mark acquired levels in NonStop education and training.
- EXAMS are taking place **RIGHT NOW** in the Saratoga boardroom on the lower level.



# Audience

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## HPE NonStop Customers

- Often requested
- There IS pent-up demand

## HPE Partners, Distributors, Resellers

- Provides recognition of knowledge for staff

## HPE Internal Staff

- NonStop Professionals (GNSC)
- NonStop Technical Consultants, including Sales and Pre-Sales
- Customer Engineers (CEs)
- Can also be used for professional development tracking





# Exams / tests / achievements

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Achievement exam questions are written by the NonStop Academy with assistance and verification by HPE NonStop SMEs, Partners and Customers to lend technical accuracy, credibility and additional quality.

- Continuous recruits, organizes and utilizes SME's from Worldwide internal and external groups
- Continuous drives development of all NonStop achievement exam content and related materials for customers/end-users, partners and HPE audiences.
- Continuous manages the database of achievements and registrations



# Minimum Knowledge Requirements

Achievement exams trace back to knowledge found in publicly available NonStop product documentation that anyone working on NonStop should be familiar with or have general access to.

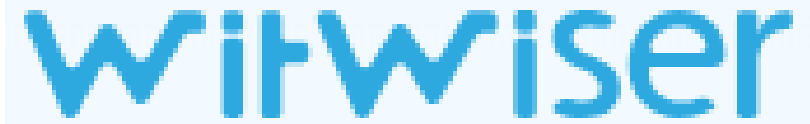
- NonStop education courses can help students learn content covered in exams but will not guarantee you can pass any of the exams
- Minimum of 1-year experience on NonStop systems will likely be required to have the best chance of passing level-1 exams and even more experience to pass higher-level exams
- Questions are based on what a person needs to know or do to adequately perform the essential duties of the content area/job at the appropriate level of the exam.

*What should a minimally acceptable performer know and be able to do?*



# Testing

Exams will be taken on-line through our turnkey partner:



Currently working on integration of Witwiser exam tool with NonStop Academy website.

## **Witwiser test platform includes:**

- Full suite of parameters that can be set for individual exams
- Database of video/audio
- Automatic flagging of suspicious behavior
- Industry leading Fraud prevention techniques
  - Requires a web-camera / microphone to take the test (after this event)
  - Exams will NOT need to be taken at an official exam center



# Testing info

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Test duration depends on the number of questions

- Exams range between 30-50 questions per exam

Average time-limit to complete an exam is 45-60 minutes

Average pass-level for each exam is 70-75%

Exam format is multiple-choice

- items include a question and four or more answer options
  - Select 1:4
  - Select 2:5



# Exam Registration

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Participants at TBC23 will have the opportunity to take 1 or more exams for free at the event.

- Only 1 attempt per exam title is allowed on-site

NonStop Education course participants will receive 1 free equivalent exam voucher if offered and relevant to a specific course

Exams may be taken separately without enrolling in a course if paid for separately

- Exam vouchers can be purchased on [www.NonStop-Academy.com](http://www.NonStop-Academy.com)
- \$60 per exam if taken outside of education courses



# Achievement Tracks

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# Achievement Levels (sample)

Titles may have from 1-3 levels of achievement:

- Associate (Basic)
- Specialist (Intermediate)
- Advanced (Expert)



# Achievement Tracks

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- System Administration (3 exams)
- Engineering
- Security (1 Exam) SAFEGUARD focus
- SQL/MP (2 exams)
- SQL/MX
- Networking
- Business Continuity
- System Architect
- Solution Architect
- Development (multiple titles)





# Achievement Tracks (cont)

## Development

- IDE (Eclipse / NSDEE)
- TACL
- TAL/pTAL
- C-Programming
- OSS
- Java
- Pathway / Cobol
- SQL/MX Programming

All Development achievements set at **Specialist** level  
*NonStop systems development achievements illustrate software developer skills and knowledge needed to develop software solutions based on NonStop architectures.*



# Guru Level Achievement

## Guru Achievement

- Will require minimum of 8 total achievements



# Current Exams Available

## System Administration

Associate

Specialist

Advanced

## SQL/MP

Associate

Specialist

Advanced

## Security

Associate

Specialist

## Associated potential courses

U4147 Concepts or Sys Admin I or H1SC3 Sys Admin I

H1SC4 Sys Admin II

H1SC5 Sys Admin III

U4181 SQL/MP Essentials

U4180 SQL/MP DB Mgt

U4183 SQL/MP Query Design for Performance

U4196 Securing HPE NonStop Servers Using Safeguard

xxxxx Other NS Security Solutions



# Getting Started for Exam Teams

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If you would like to participate in future exam design/review teams send your request to:

- [Joe@Continuous.nl](mailto:Joe@Continuous.nl)
- You will receive a CDA that must be signed and returned.
- It's standard and basically says you will not share, copy or distribute any of the information related to the exam, questions or proprietary nature of the program.
- Participants/SMEs will receive credit for each achievement exam they assist in developing and reviewing.



# NonStop Partnership– It’s a Beautiful Thing!



# Thank you for attending this talk

## TBC23-TB70 HPE NonStop Education and Training Update

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