Hewlett Packard Enterprise

NonStop Technical Boot Camp 2023 TBC23-TB71 HPE NonStop Development Environment for Public Cloud (NSDevEnv)

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September 14, 2023

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Forward-looking statements

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

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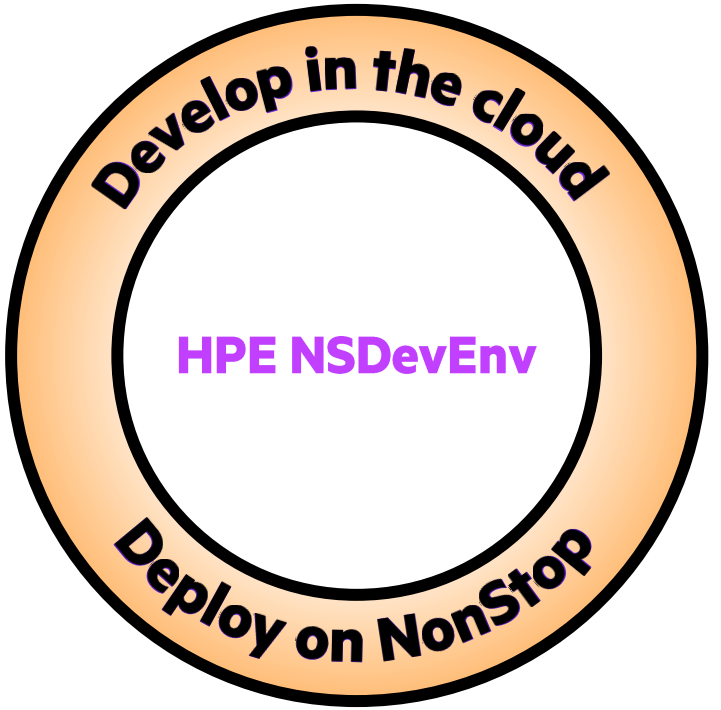

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NonStop Partnership– It's a Beautiful Thing!

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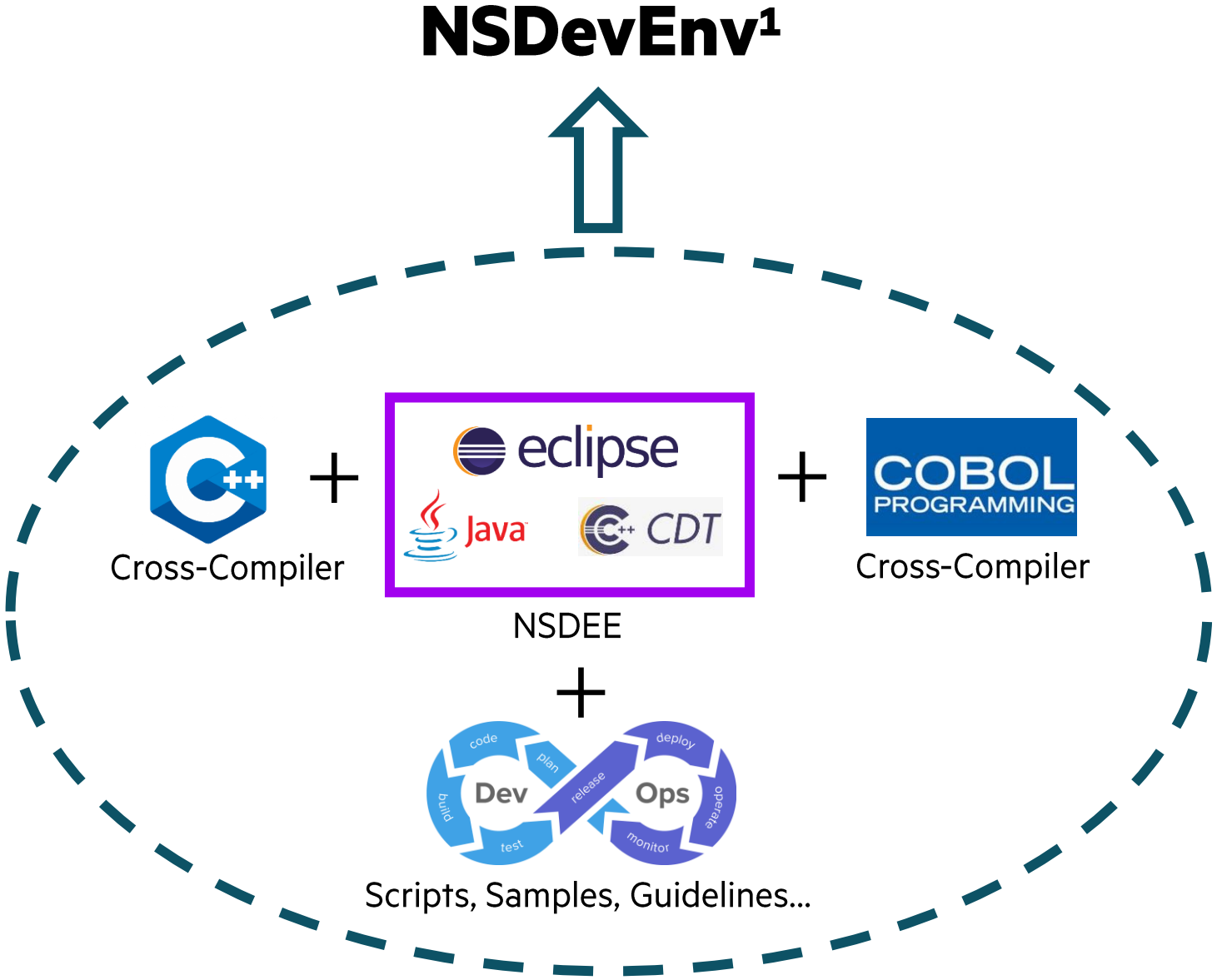
What is NSDevEnv?

- A combination of existing, separately supplied software
  - NonStop Development Environment for Eclipse (NSDEE)
  - C/C++ Cross-Compiler on Windows
  - COBOL Cross-Compiler on Windows
  - DevOps with Nonstop – Guidelines, Samples, Scripts….
- Offered as a bundle in the public cloud



1 - Pronounced “enn-ess-dev-env”

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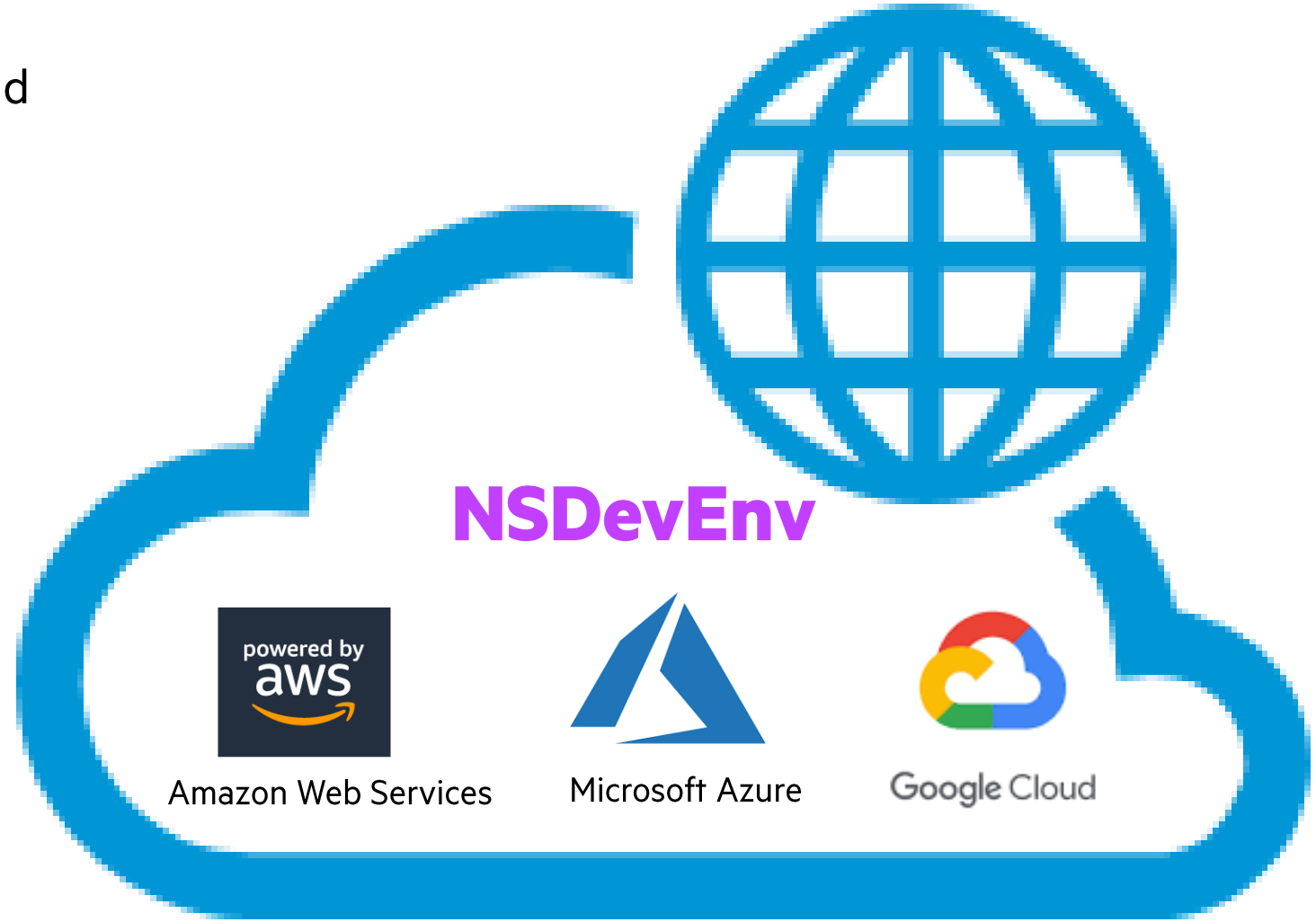
NSDevEnv in public cloud

- Is offered in the three popular public cloud platforms
  - Amazon Web Services (AWS)
  - Microsoft Azure
  - Google Cloud Platform (GCP)
- Users can search for “NSDevEnv” in the Marketplace to get to it
- Offered as one bundle in the public cloud
- Offered in pay-as-you-go mode



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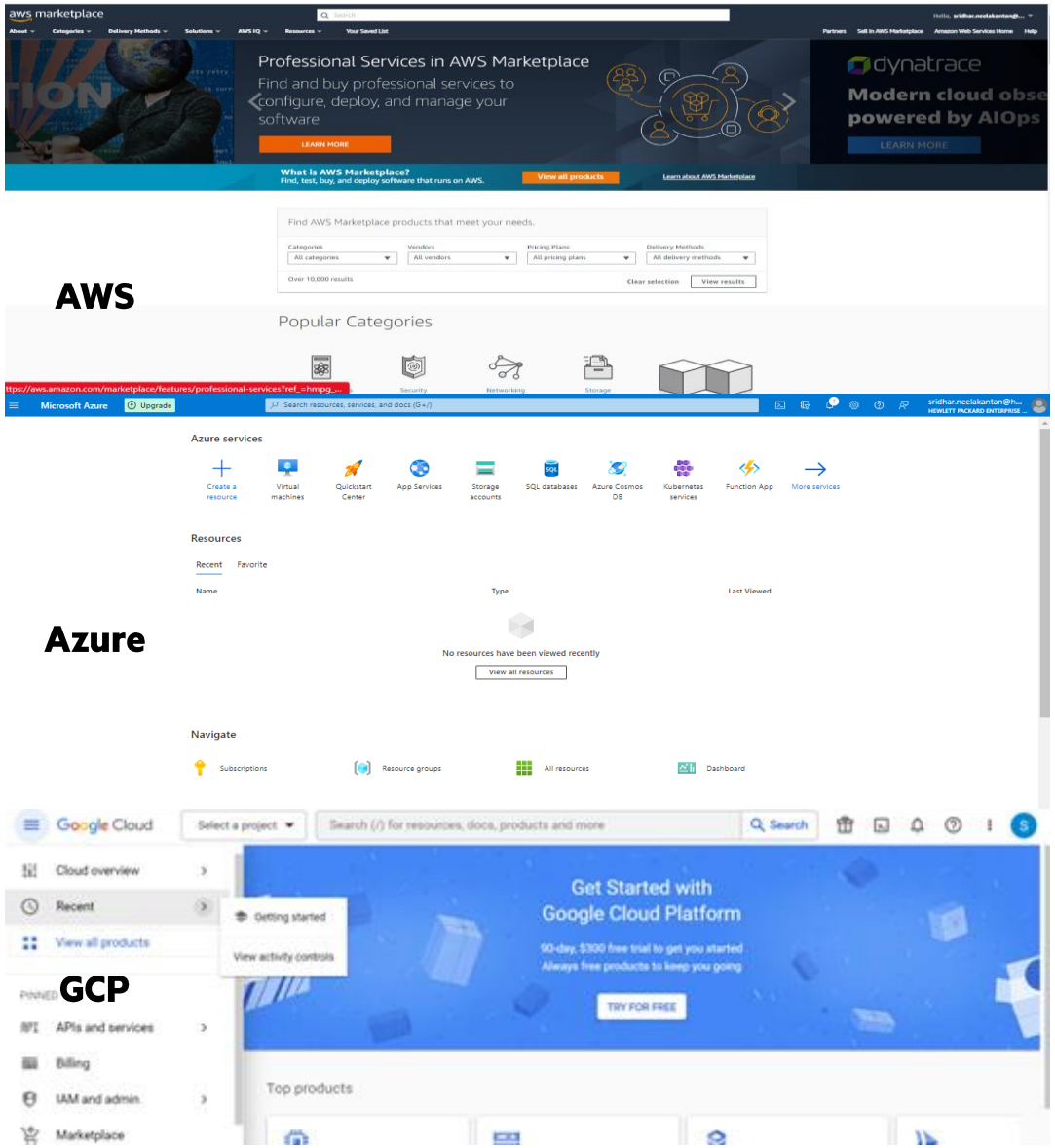
What is the Marketplace?

- **A portal from where consumers can**
  - Avail of hardware, virtual machines, software, networking products in an “aaS” mode
- **Services on Cloud**
  - Are hosted & delivered from locations around the world
- **Offers multiple payment modes**
  - Bring-Your-Own-License (BYOL)
  - Pay-as-you-go
  - Contractual
- **NSDevEnv is offered in a “virtual machine” model**
  - User gets a virtual machine with Windows OS, NSDEE & the Cross-Compilers as a pre-installed package
  - In pay-as-you-go mode



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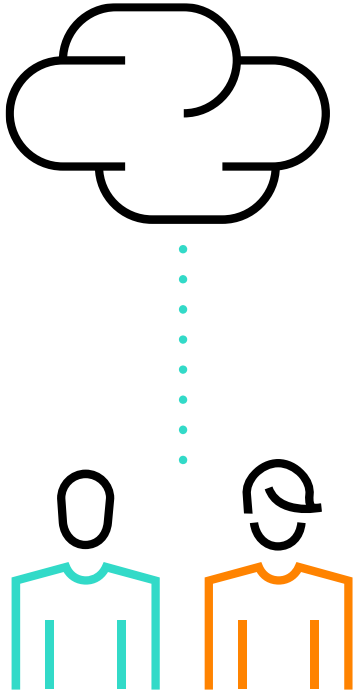
Purpose of NSDevEnv

Popularize applications development for NonStop



- **Make development tools available instantly**
  - Wherever the application developers are
  - Whenever they want to
- **Make the procurement of development tools easier**
  - No quotation—purchase order—shipment—invoice—payment cycle to follow
  - Login to cloud and start using
- **NSDevEnv is aimed at all developers!!**
  - Anyone can start developing NonStop Apps
  - Widen the ring to include those who are not existing NonStop customers
  - Show how easy it is to create for NonStop
- **There are several NonStop partners who would like to use NSDEE & Cross-Compilers intermittently**
  - NSDevEnv is a good solution for them.
- **Existing customers also benefit from NSDevEnv**

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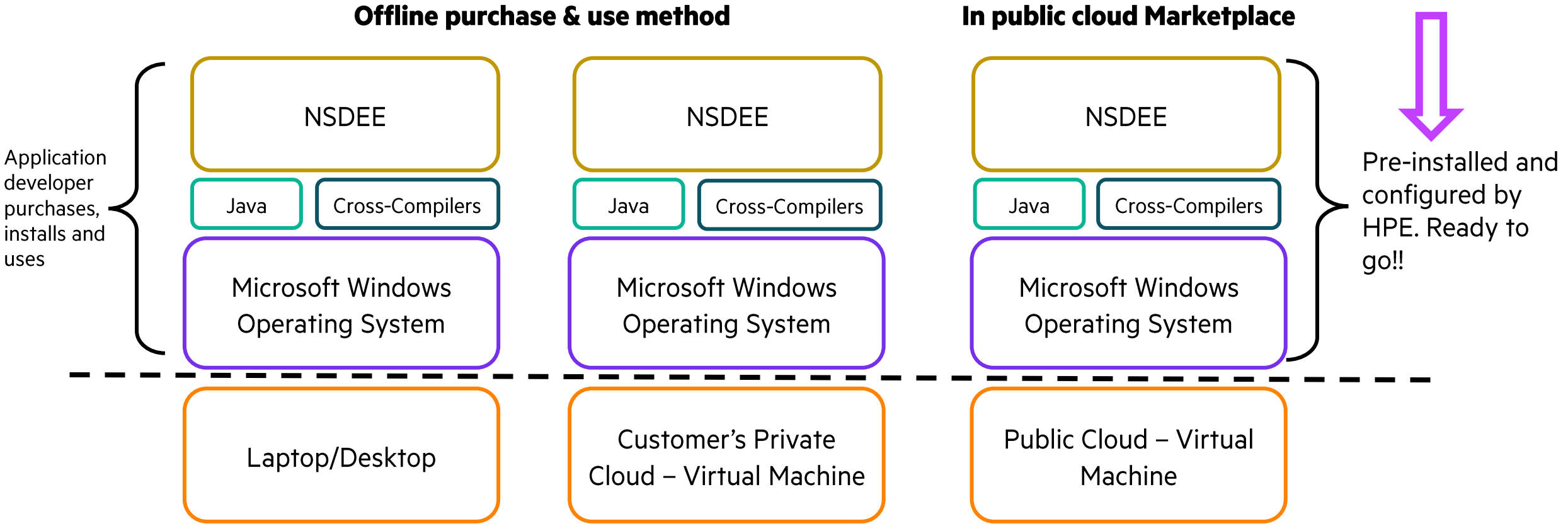
A comparison of stacks



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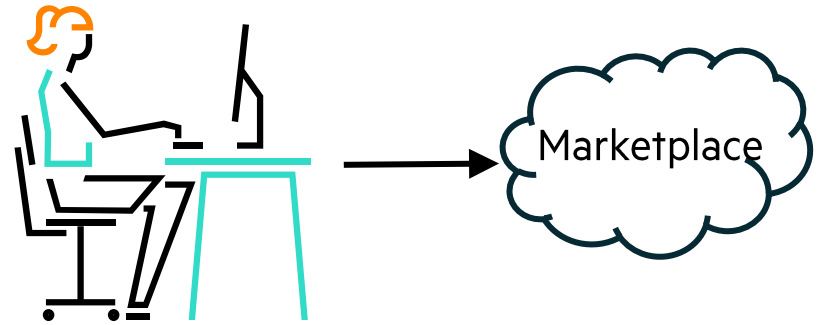
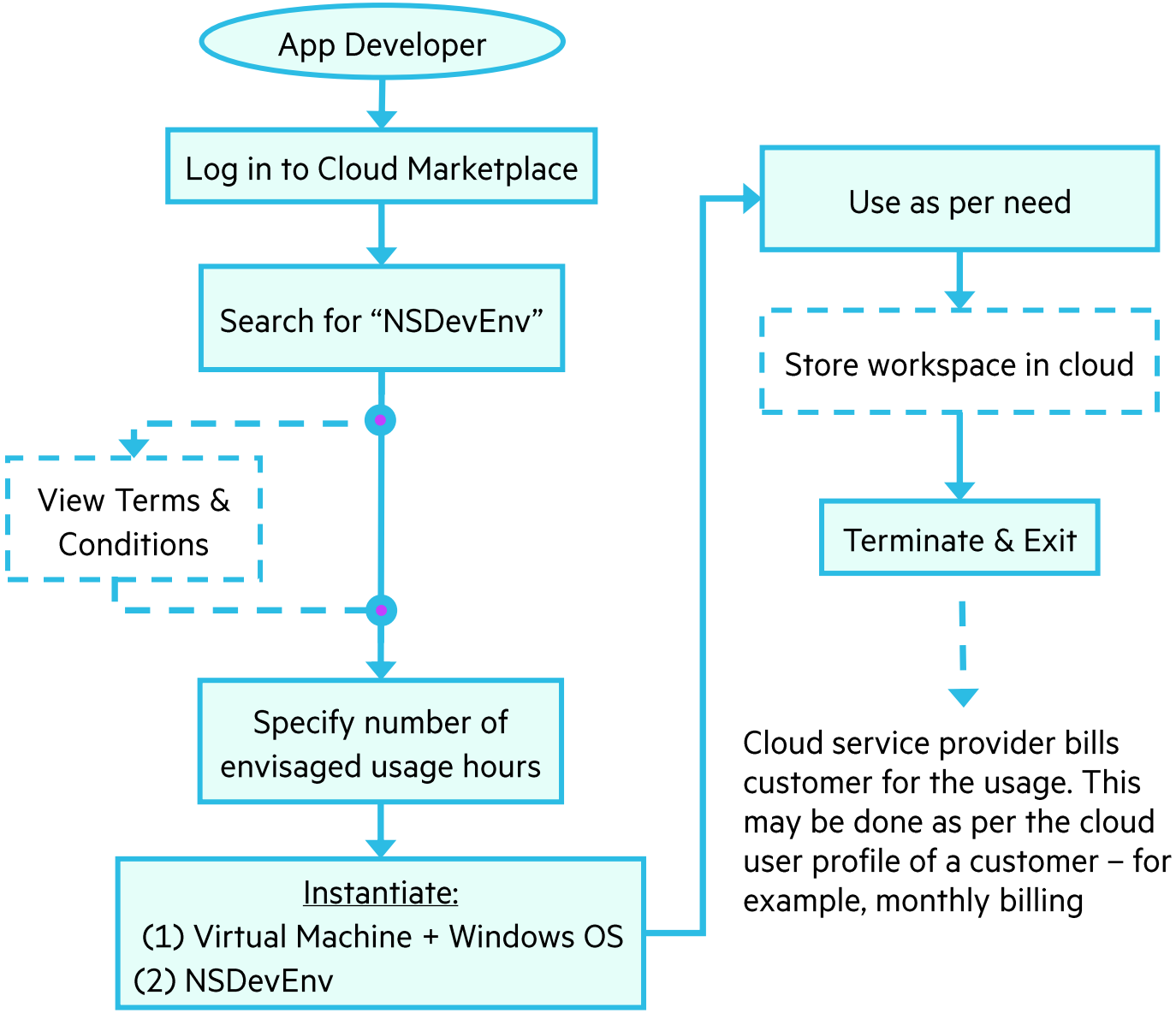
Using NSDevEnv



Application Developer



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Seeking support

- Users can send an email to HPE seeking support
- Complete information is given in HPE NonStop Development Environment Usage and support information reference guide.
- Support for Microsoft Windows Server Virtual Machine and the Cloud hardware
  - Provided by the Cloud Service Provider (CSP)
  - Pointers to seek support from the CSPs are in the reference guide

HPE GreenLake

Reference guide

HPE NonStop Development Environment

Usage and support information

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Amazon Web Services 2
Using HPE NonStop Development Environment (HPE NSDevEnv) in AWS 2
Support information for HPE NonStop Development Environment in Cloud on AWS Marketplace 2
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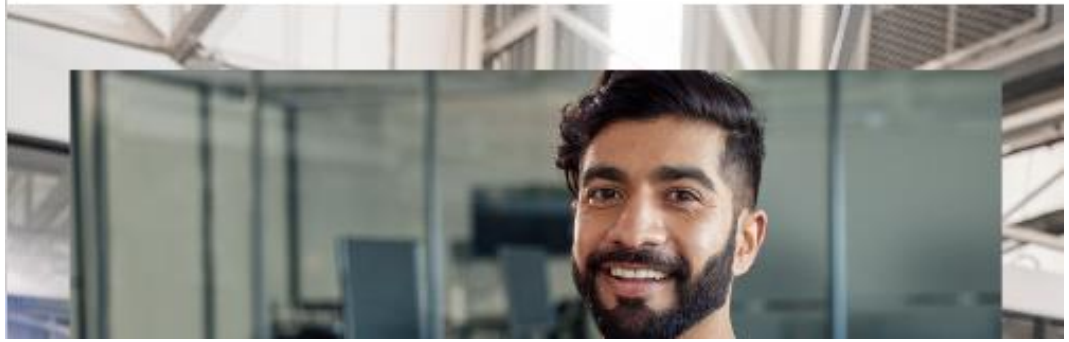
Support information for HPE NonStop Development Environment in Microsoft Azure 4
Support information for Microsoft Windows Server and Azure infrastructure 4



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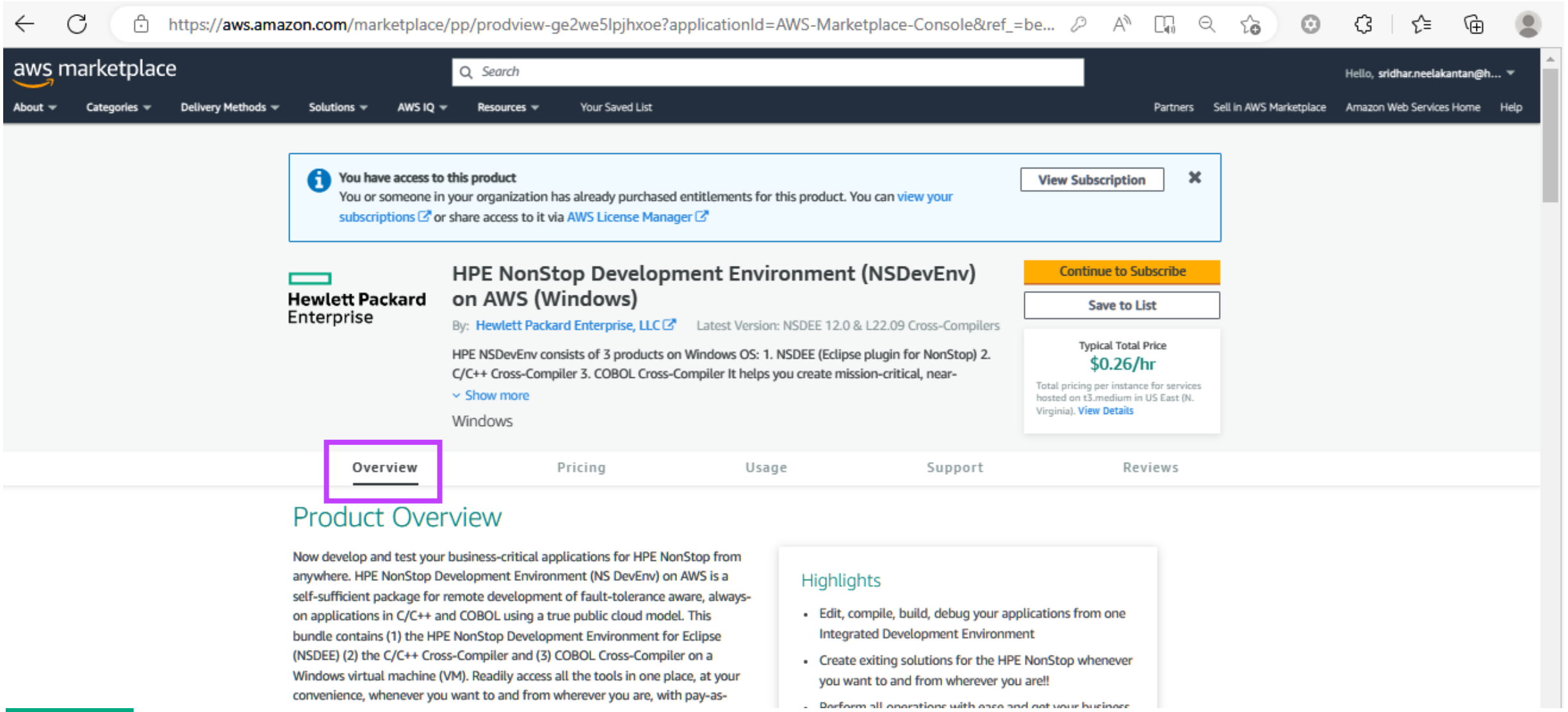
Sample Screenshots of NSDevEnv (1 of 8) – AWS



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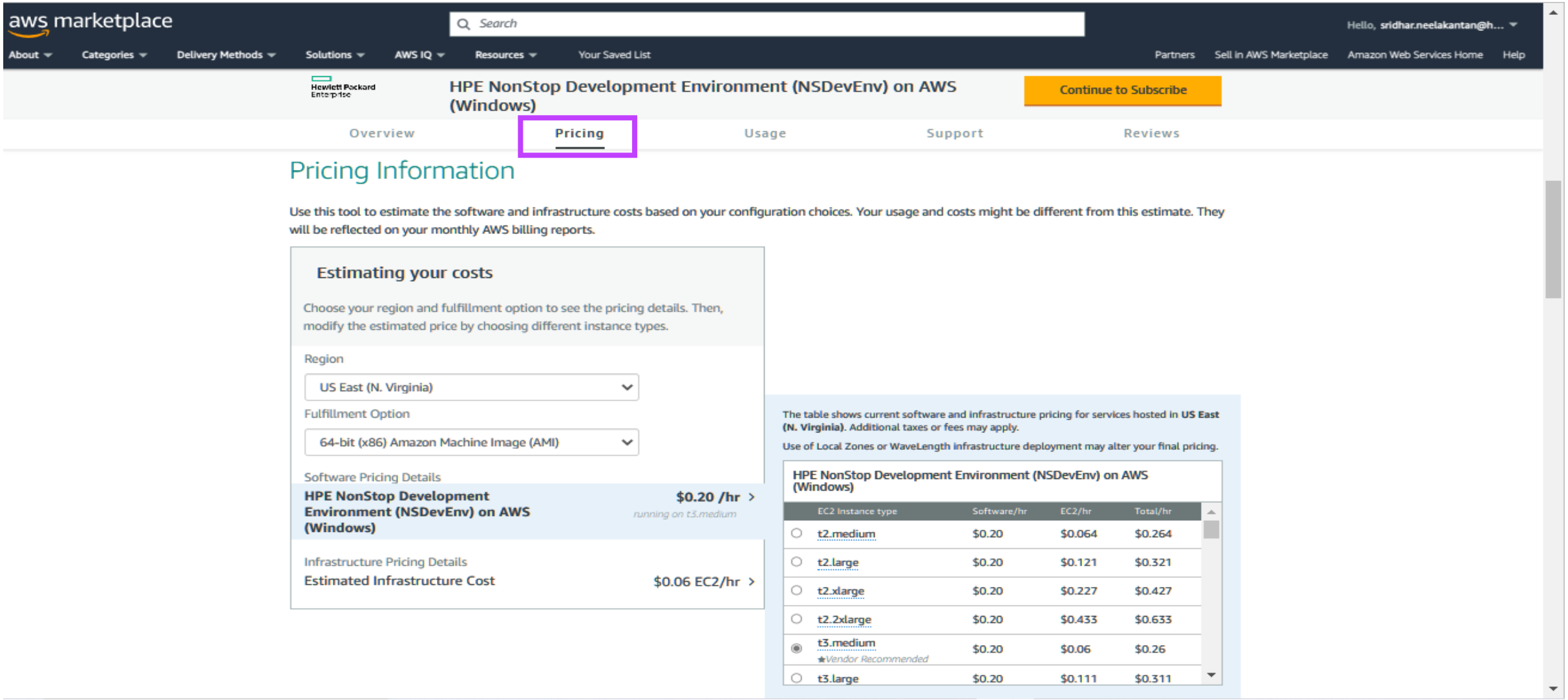
Sample Screenshots of NSDevEnv (2 of 8) – AWS



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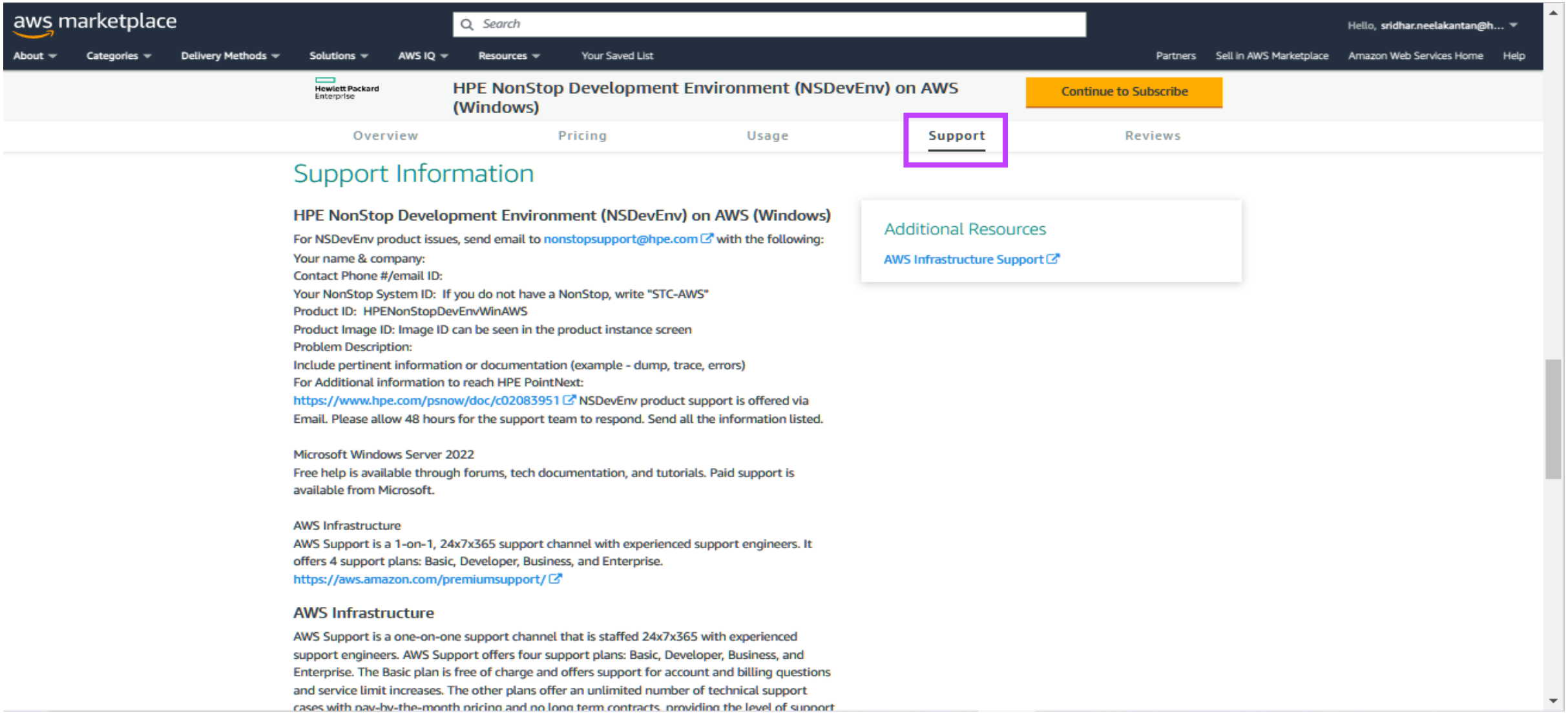
Sample Screenshots of NSDevEnv (3 of 8) – AWS



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Sample Screenshots of NSDevEnv (4 of 8) – Azure

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HPE NonStop Development Environment (HPE NSDevEnv)

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Overview Plans + Pricing Ratings + reviews

HPE NonStop Development Environment (NSDevEnv) on Azure Windows. Develop and test your business-critical applications for HPE NonStop from anywhere.

Now develop and test your business-critical applications for HPE NonStop from anywhere. HPE NonStop Development Environment (NS DevEnv) on Azure is a self-sufficient package for remote development of fault-tolerance aware, always-on applications in C/C++ and COBOL using a true public cloud model. This bundle contains (1) the HPE NonStop Development Environment for Eclipse (NSDEE) (2) the C/C++ Cross-Compiler and (3) COBOL Cross-Compiler on a Windows virtual machine (VM). Readily access all the tools in one place, at your convenience, whenever you want to and from wherever you are, with pay-as-you-go cloud economics.

All operations can be performed using the familiar, intuitive Eclipse GUI to edit, compile and build your code from a single terminal. Store your workspace securely in the Azure and resume later. The bundle provides all the features that you would expect through the standard DVD based offering from HPE NonStop.

You may also install the NonStop database (SQL/MX) pre-processor to compile your programs containing embedded SQL statements.

In addition to the above, it also consists of a set of tools that you may use to test, deploy and administer your applications to fit into a DevOps lifecycle model.

Learn more

Create applications for HPE NonStop in the cloud - Solution Brief
HPE NonStop Development Environment - Frequently asked questions
HPE NSDEE 12.0 data sheet
Software programming for HPE NonStop data sheet
NSDEE 12.0 User Guide
C/C++ Programmer's Guide for NonStop
COBOL Manual for TNS/E and TNS/X Programs

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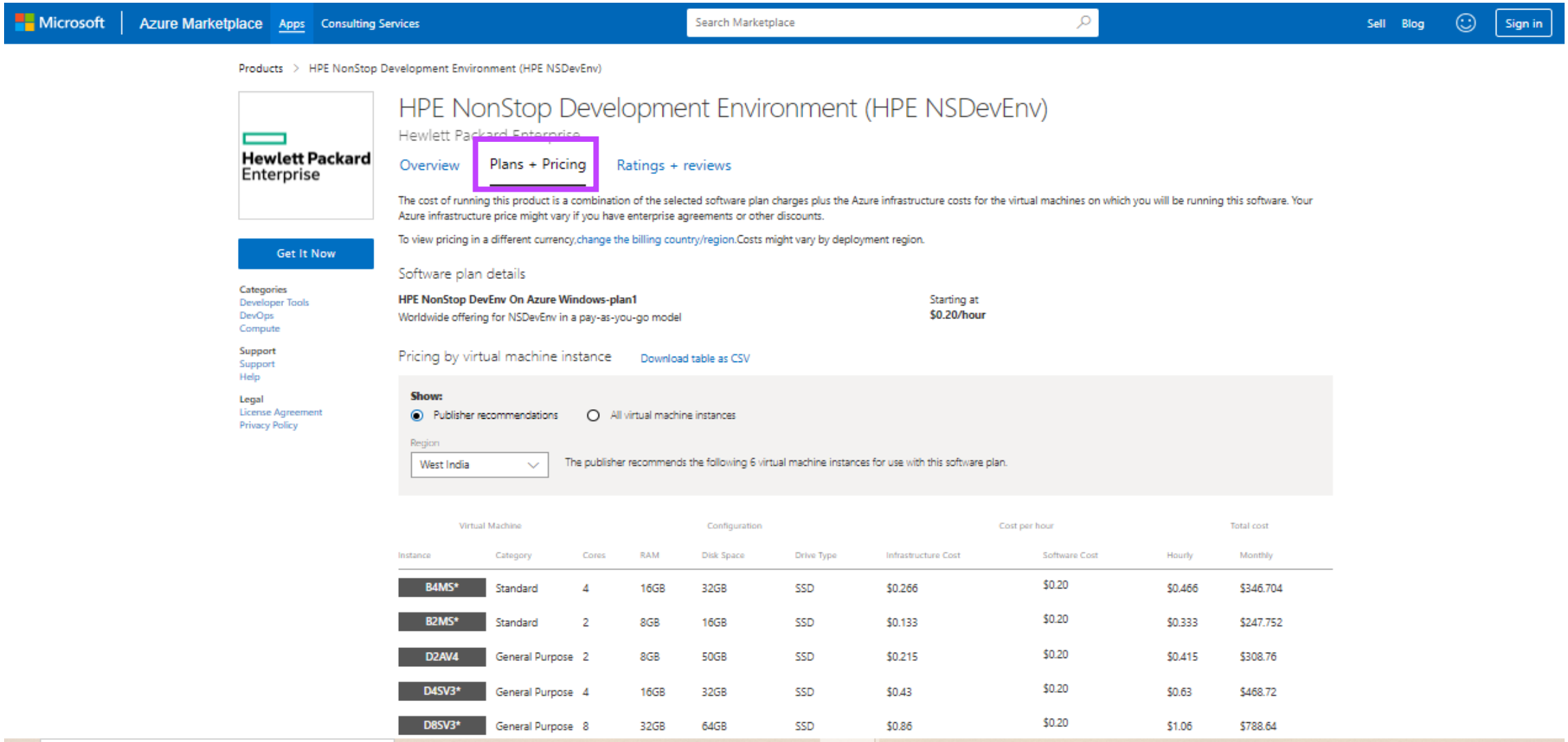
Sample Screenshots of NSDevEnv (5 of 8) – Azure



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HPE NonStop Development Environment (HPE NSDevEnv)

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Overview | Plans + Pricing | Ratings + reviews

The cost of running this product is a combination of the selected software plan charges plus the Azure infrastructure costs for the virtual machines on which you will be running this software. Your Azure infrastructure price might vary if you have enterprise agreements or other discounts.

To view pricing in a different currency,change the billing country/region.Costs might vary by deployment region.

Software plan details

HPE NonStop DevEnv On Azure Windows-plan1
Worldwide offering for NSDevEnv in a pay-as-you-go model

Starting at
$0.20/hour

Pricing by virtual machine instance

Download table as CSV

Show:
Publisher recommendations | All virtual machine instances

Region: West India

The publisher recommends the following 6 virtual machine instances for use with this software plan.

Virtual Machine		Configuration				Cost per hour		Total cost	
Instance	Category	Cores	RAM	Disk Space	Drive Type	Infrastructure Cost	Software Cost	Hourly	Monthly
B4MS*	Standard	4	16GB	32GB	SSD	$0.266	$0.20	$0.466	$346.704
B2MS*	Standard	2	8GB	16GB	SSD	$0.133	$0.20	$0.333	$247.752
D2AV4	General Purpose	2	8GB	50GB	SSD	$0.215	$0.20	$0.415	$308.76
D4SV3*	General Purpose	4	16GB	32GB	SSD	$0.43	$0.20	$0.63	$468.72
D8SV3*	General Purpose	8	32GB	64GB	SSD	$0.86	$0.20	$1.06	$788.64

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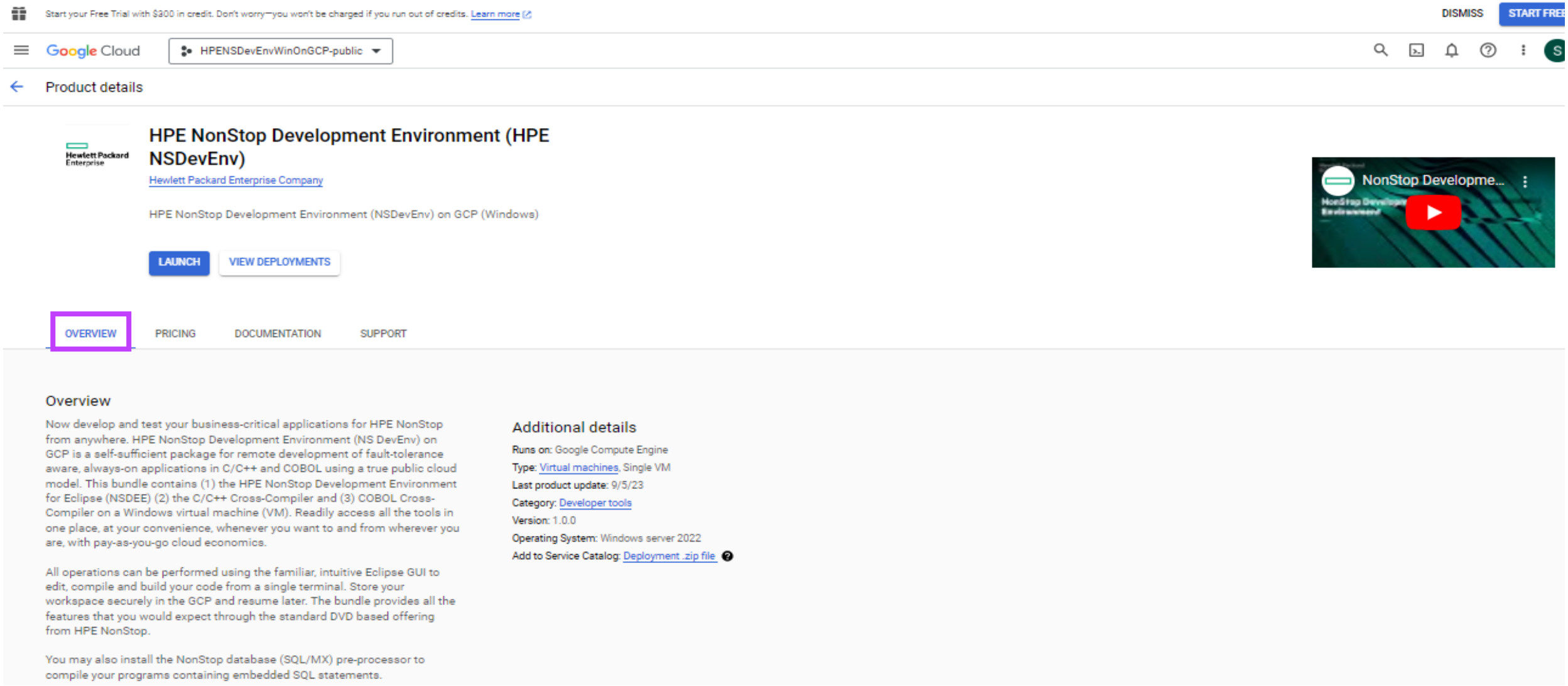
Sample Screenshots of NSDevEnv (6 of 8) – GCP

Releasing shortly



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Sample Screenshots of NSDevEnv (7 of 8) – GCP

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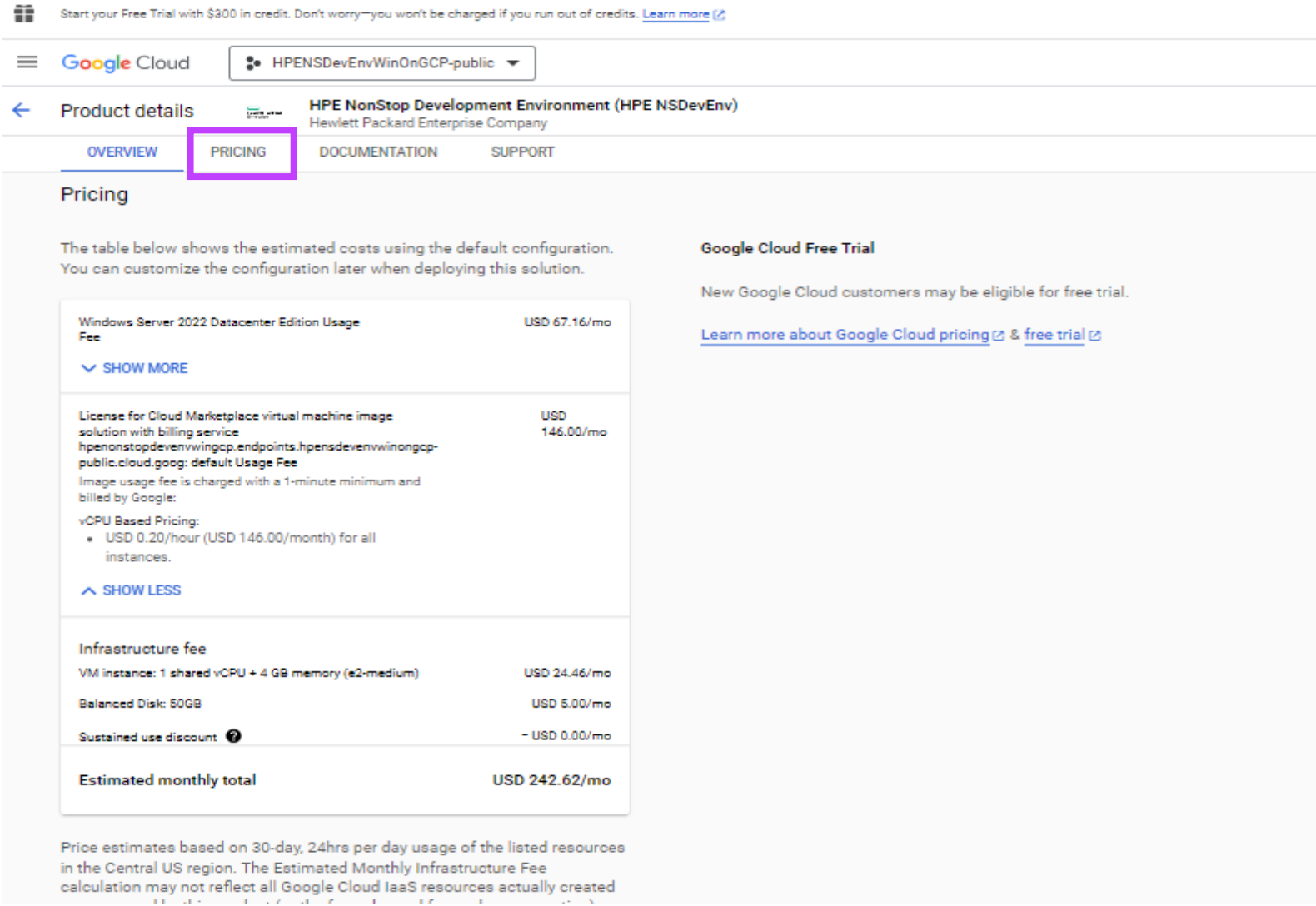

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Sample Screenshots of NSDevEnv (8 of 8) – GCP

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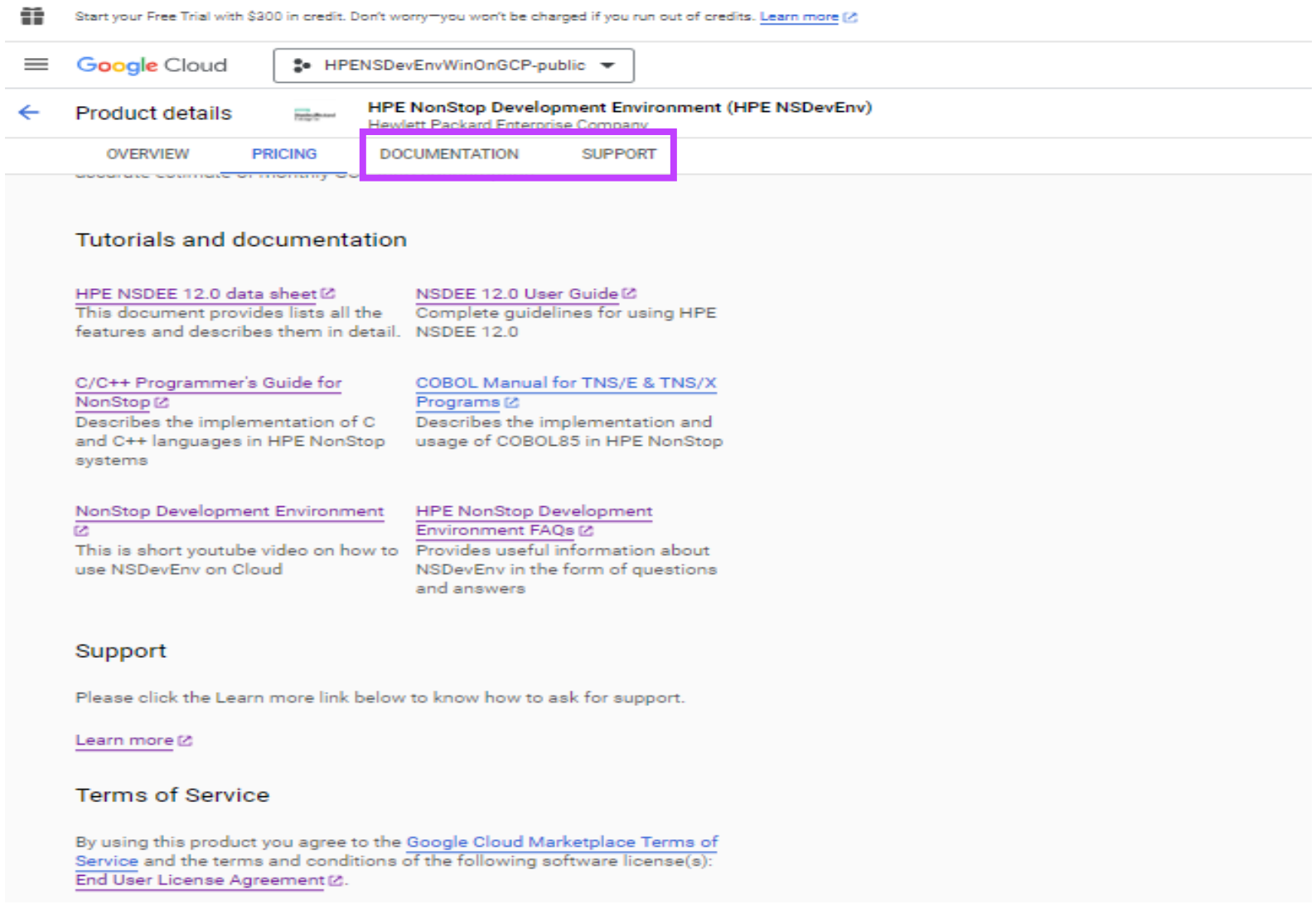

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More Info

- NSDevEnv Solution Brief
- NSDevEnv introductory video
- NSDevEnv FAQs
- HPE NonStop Development Environment – Usage and support information
- NSDEE 12.0 Datasheet
- NSDEE 12.0 User Guide
- Software Programming for HPE NonStop Datasheet
- C/C++ Programmer's Guide for NonStop Systems
- NonStop COBOL Manual for TNS/E and TNS/X programs

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Futures

- Availability of a NonStop to deploy & debug

Thank you for attending this talk TBC23-TB71 HPE NonStop Development Environment for Public Cloud (NSDevEnv)

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You may also attend the relevant talks given below:

TBC23-TB72 - NonStop in HPE Developer Community

TBC23-TB74 - GitHub and Modern Development on the NonStop

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