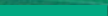




Hewlett Packard
Enterprise

NonStop Technical Boot Camp 2023

TBC23-TB71 HPE NonStop Development Environment for Public Cloud (NSDevEnv)



Shanice Abigail
September 14, 2023

Forward-looking statements

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

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.



Table of Contents

What is NSDevEnv?

NSDevEnv in Public Cloud

The Public Cloud Marketplace

Purpose of NSDevEnv

A comparison of stacks

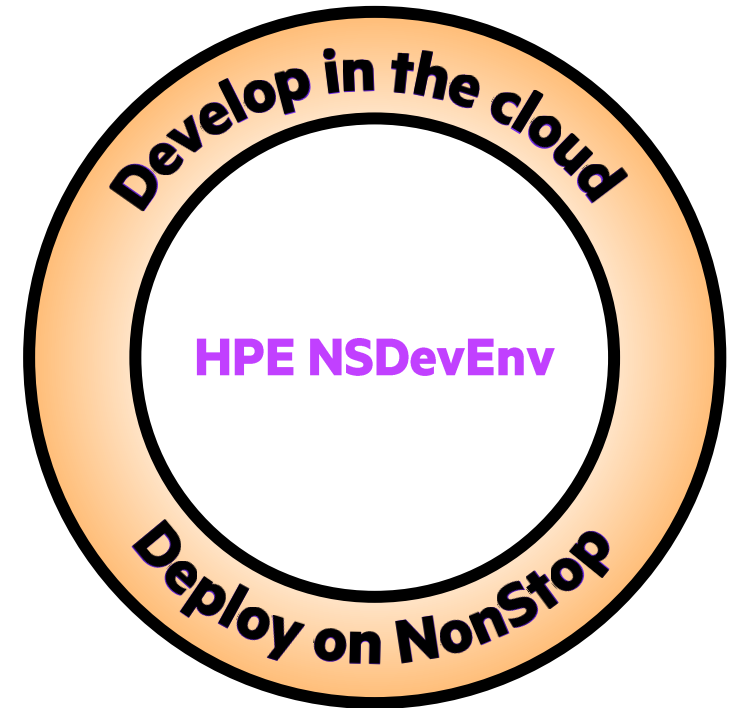
Using NSDevEnv

How does App developer seek support or report issues?

Sample screenshots

More Info

Futures

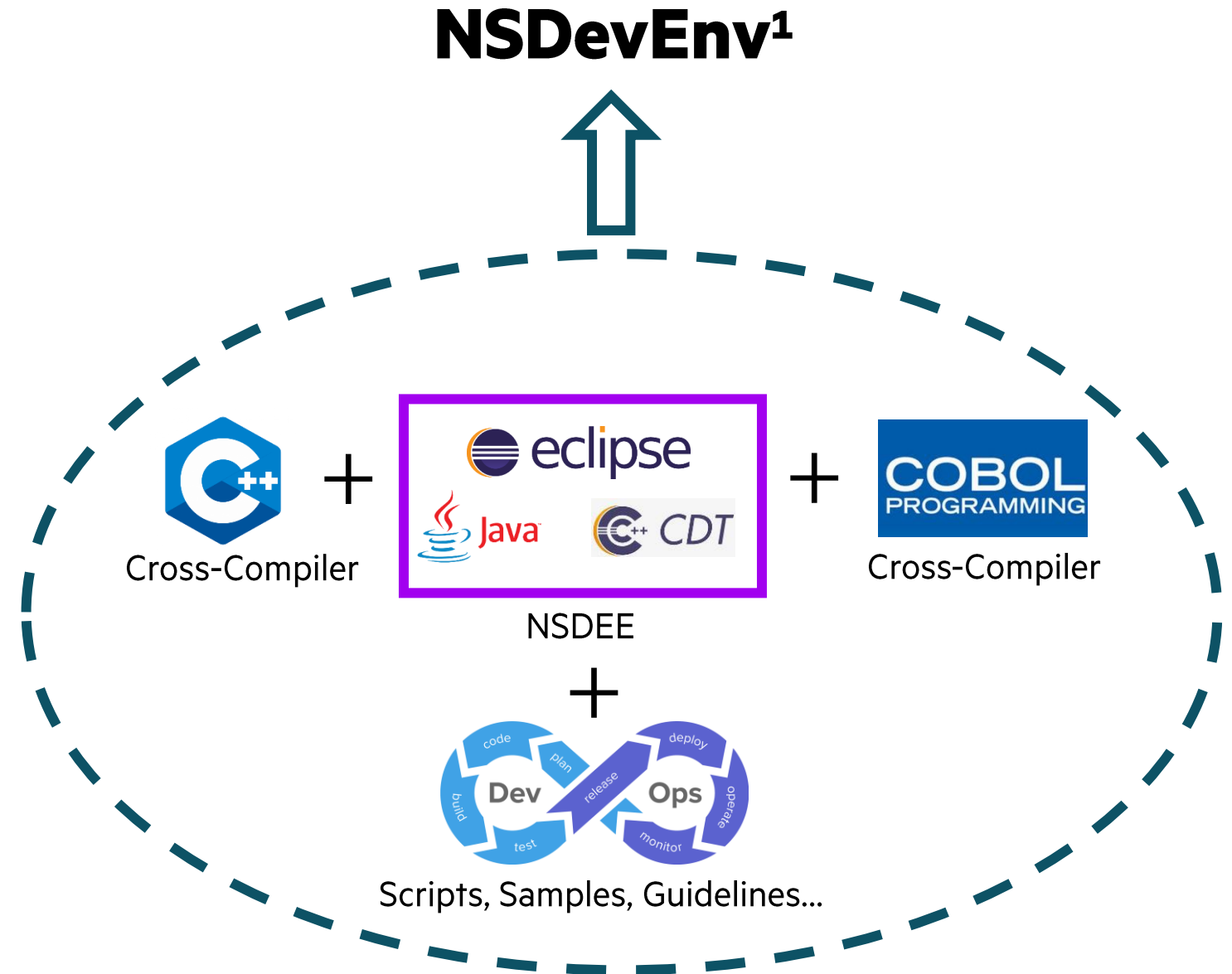


NonStop Partnership– It’s a Beautiful Thing!



What is NSDevEnv?

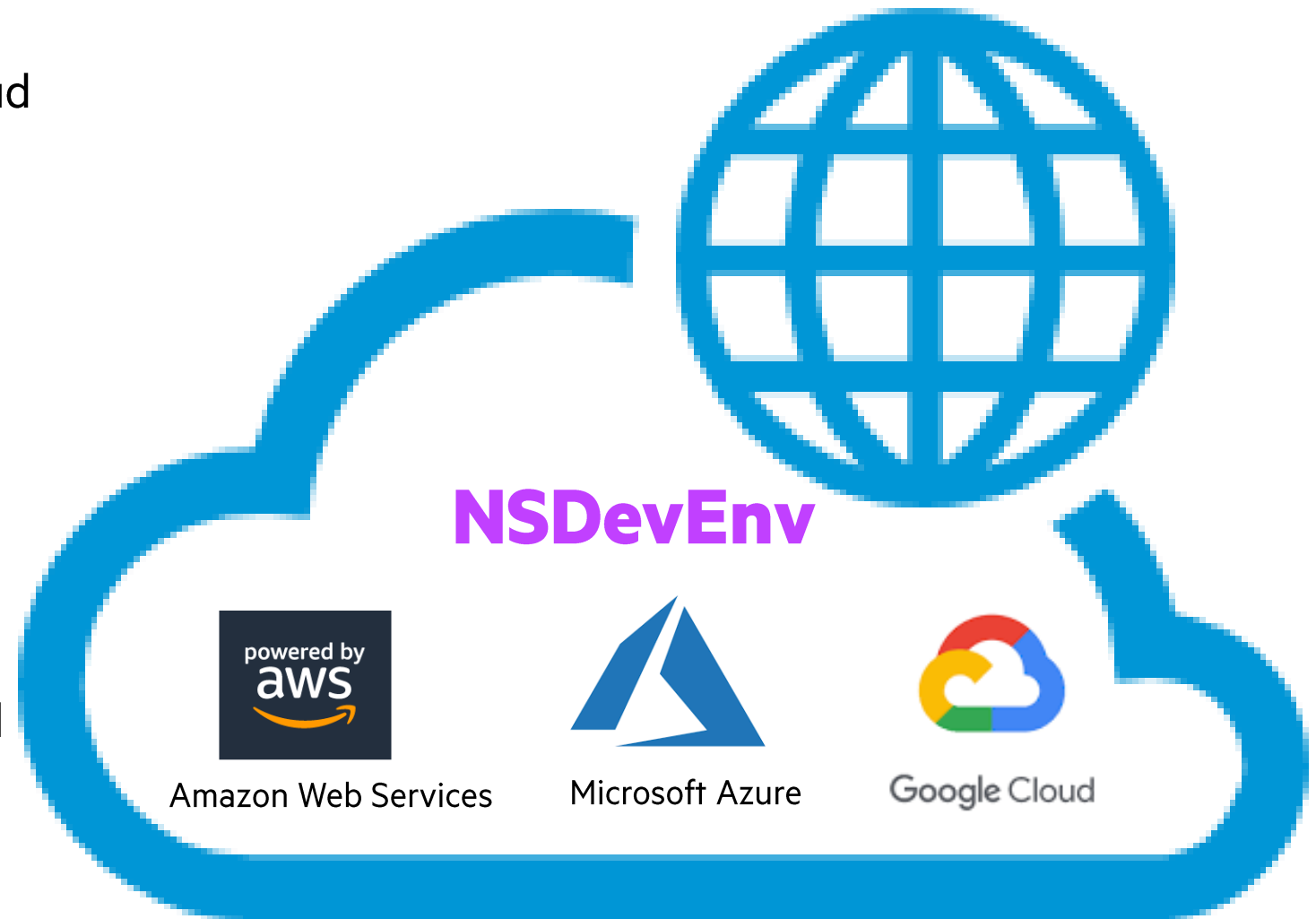
- A combination of existing, separately supplied software
 - NonStop Development Environment for Eclipse (NSDEE)
 - C/C++ Cross-Compiler on Windows
 - COBOL Cross-Compiler on Windows
 - DevOps with Nonstop – Guidelines, Samples, Scripts....
- Offered as a bundle in the public cloud



1 - Pronounced “enn-ess-dev-env”

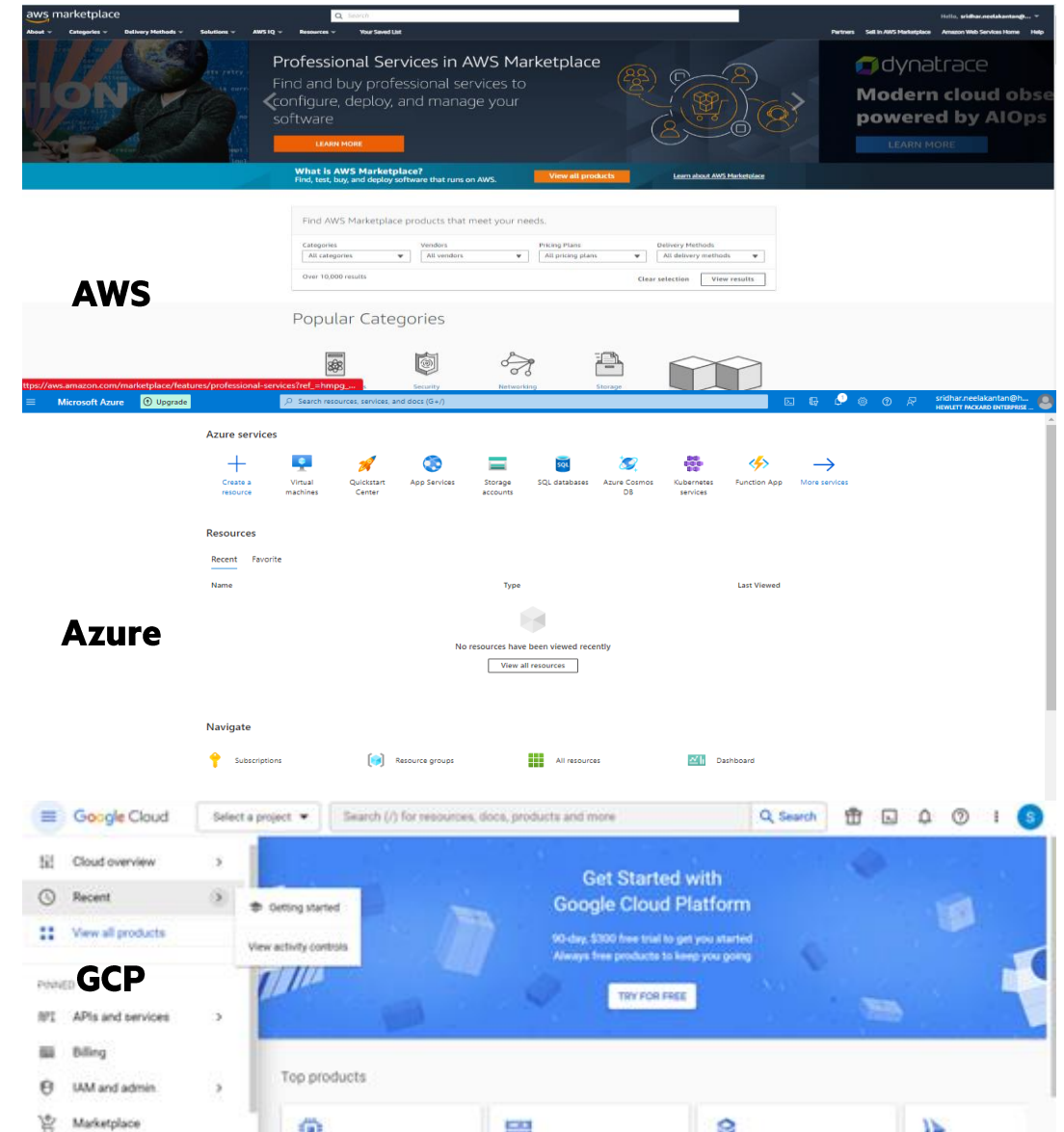
NSDevEnv in public cloud

- 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



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



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

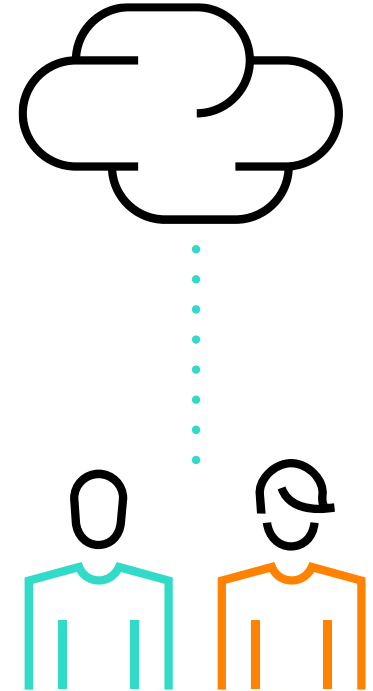
- **NSDevEnv is aimed at all developers!!**

- 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

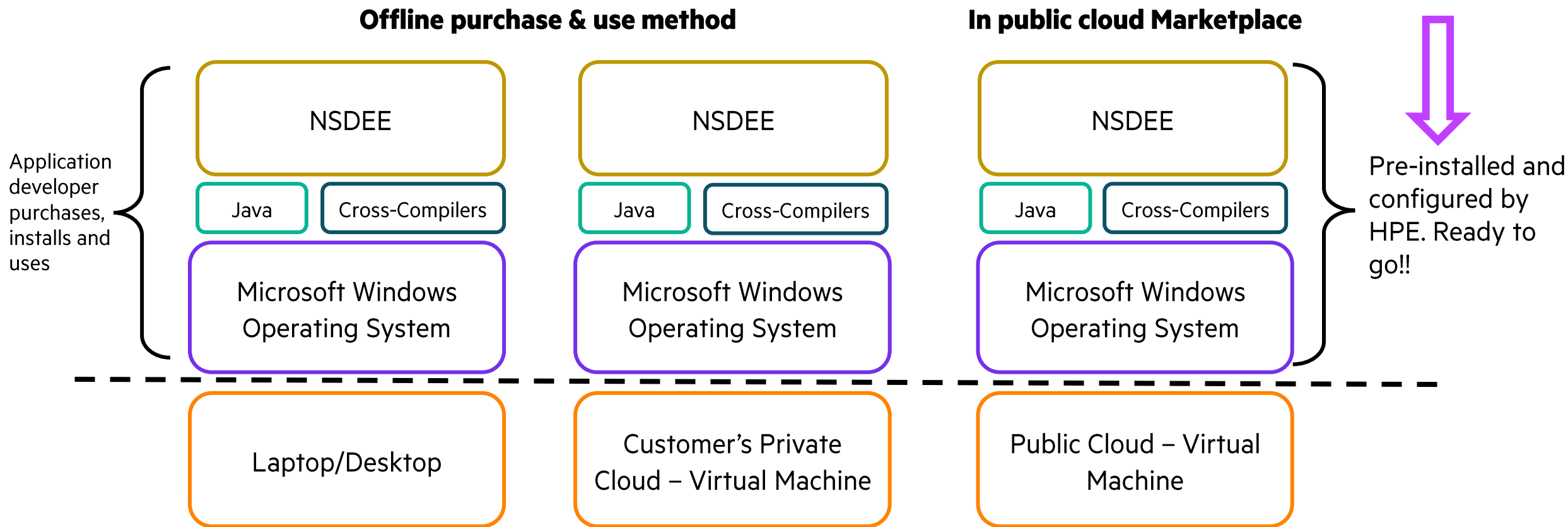
- **There are several NonStop partners who would like to use NSDEE & Cross-Compilers intermittently**

- NSDevEnv is a good solution for them.

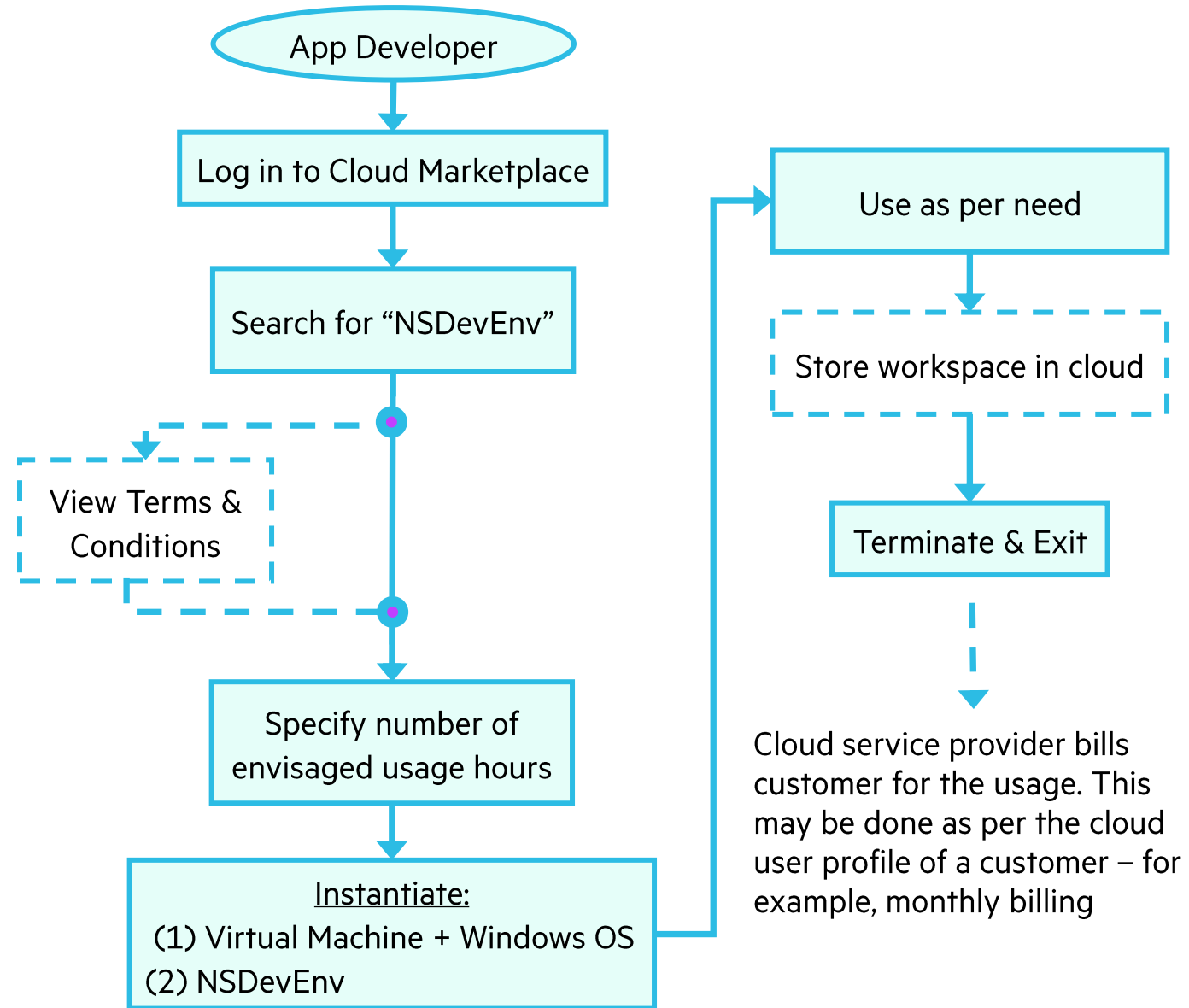
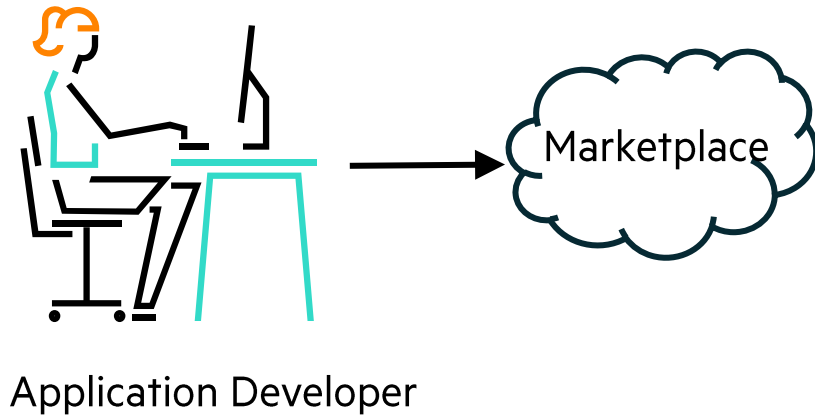
- **Existing customers also benefit from NSDevEnv**



A comparison of stacks



Using NSDevEnv



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 NonStop Development Environment

Usage and support information

Contents

Abstract	2
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
Support information for Microsoft Windows Server and AWS	2
Google Cloud Platform	3
Using HPE NonStop Development Environment (HPE NSDevEnv) in Google Cloud Platform Marketplace	3
Support information for HPE NonStop Development Environment in Cloud in Google Cloud Marketplace	3
Support information for Microsoft Windows Server and Google Cloud Marketplace	3
Microsoft Azure	4
Using HPE NonStop Development Environment (HPE NSDevEnv) in Microsoft Azure Marketplace	4
Support information for HPE NonStop Development Environment in Microsoft Azure	4
Support information for Microsoft Windows Server and Azure infrastructure	4



Sample Screenshots of NSDevEnv (1 of 8) – AWS

The screenshot displays the AWS Marketplace interface for the product "HPE NonStop Development Environment (NSDevEnv) on AWS (Windows)". At the top, there is a navigation bar with the AWS Marketplace logo, a search bar, and user information. Below the navigation bar, a notification banner states: "You have access to this product. You or someone in your organization has already purchased entitlements for this product. You can view your subscriptions or share access to it via AWS License Manager." To the right of the notification are buttons for "View Subscription" and a close icon. The product details section includes the product name, the provider "Hewlett Packard Enterprise", and the latest version "NSDEE 12.0 & L22.09 Cross-Compilers". A description states: "HPE NSDevEnv consists of 3 products on Windows OS: 1. NSDEE (Eclipse plugin for NonStop) 2. C/C++ Cross-Compiler 3. COBOL Cross-Compiler It helps you create mission-critical, near- Windows". To the right of the product details are buttons for "Continue to Subscribe" and "Save to List". Below these buttons is a pricing box showing a "Typical Total Price" of "\$0.26/hr" with a note: "Total pricing per instance for services hosted on t3.medium in US East (N. Virginia). View Details". At the bottom of the product details section are navigation tabs: "Overview", "Pricing", "Usage", "Support", and "Reviews". The "Overview" tab is selected and highlighted with a purple box. Below the tabs is the "Product Overview" section, which contains a paragraph of text and a "Highlights" section with a list of bullet points.

aws marketplace Search Hello, sridhar.neelakantan@h...

About Categories Delivery Methods Solutions AWS IQ Resources Your Saved List Partners Sell in AWS Marketplace Amazon Web Services Home Help

i You have access to this product
You or someone in your organization has already purchased entitlements for this product. You can [view your subscriptions](#) or share access to it via [AWS License Manager](#)

View Subscription ✕

Hewlett Packard Enterprise

HPE NonStop Development Environment (NSDevEnv) on AWS (Windows)

By: [Hewlett Packard Enterprise, LLC](#) Latest Version: NSDEE 12.0 & L22.09 Cross-Compilers

HPE NSDevEnv consists of 3 products on Windows OS: 1. NSDEE (Eclipse plugin for NonStop) 2. C/C++ Cross-Compiler 3. COBOL Cross-Compiler It helps you create mission-critical, near- Windows

[Show more](#)

Continue to Subscribe

Save to List

Typical Total Price
\$0.26/hr
Total pricing per instance for services hosted on t3.medium in US East (N. Virginia). [View Details](#)

Overview Pricing Usage Support Reviews

Product Overview

Now develop and test your business-critical applications for HPE NonStop from anywhere. HPE NonStop Development Environment (NS DevEnv) on AWS 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-

Highlights

- Edit, compile, build, debug your applications from one Integrated Development Environment
- Create exiting solutions for the HPE NonStop whenever you want to and from wherever you are!!
- Perform all operations with ease and get your business

Sample Screenshots of NSDevEnv (2 of 8) – AWS

The screenshot displays the AWS Marketplace interface for the product "HPE NonStop Development Environment (NSDevEnv) on AWS (Windows)". The "Pricing" tab is selected and highlighted with a purple box. The page features a pricing calculator section titled "Estimating your costs" with dropdown menus for "Region" (US East (N. Virginia)) and "Fulfillment Option" (64-bit (x86) Amazon Machine Image (AMI)). Below this, there are two pricing details sections: "Software Pricing Details" showing a cost of \$0.20 /hr for the product running on a t3.medium instance, and "Infrastructure Pricing Details" showing an estimated infrastructure cost of \$0.06 EC2/hr. To the right, a table provides a breakdown of pricing for various EC2 instance types. A note above the table states that the pricing is for services hosted in US East (N. Virginia) and that additional taxes or fees may apply. The table lists instance types from t2.medium to t3.large, with t3.medium being the selected and recommended option.

EC2 Instance type	Software/hr	EC2/hr	Total/hr
<input type="radio"/> t2.medium	\$0.20	\$0.064	\$0.264
<input type="radio"/> t2.large	\$0.20	\$0.121	\$0.321
<input type="radio"/> t2.xlarge	\$0.20	\$0.227	\$0.427
<input type="radio"/> t2.2xlarge	\$0.20	\$0.433	\$0.633
<input checked="" type="radio"/> t3.medium ★ Vendor Recommended	\$0.20	\$0.06	\$0.26
<input type="radio"/> t3.large	\$0.20	\$0.111	\$0.311



Sample Screenshots of NSDevEnv (3 of 8) – AWS

The screenshot shows the AWS Marketplace interface for the product "HPE NonStop Development Environment (NSDevEnv) on AWS (Windows)". The "Support" tab is highlighted with a purple box. The page content includes:

- Support Information:** Instructions for contacting support via email at nonstopsupport@hpe.com. Required information includes name, contact details, system ID, product ID, and problem description.
- Additional Resources:** A box containing the link "AWS Infrastructure Support".
- Microsoft Windows Server 2022:** Information about free help through forums and documentation, and paid support from Microsoft.
- AWS Infrastructure:** Description of the AWS Support channel, including support plans (Basic, Developer, Business, Enterprise) and a link to <https://aws.amazon.com/premiumsupport/>.



Sample Screenshots of NSDevEnv (4 of 8) – Azure

Products > HPE NonStop Development Environment (HPE NSDevEnv)



Get It Now

Categories
Developer Tools
DevOps
Compute

Support
Support
Help

Legal
License Agreement
Privacy Policy

HPE NonStop Development Environment (HPE NSDevEnv)

Hewlett Packard Enterprise

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](#)



Sample Screenshots of NSDevEnv (5 of 8) – Azure

Products > HPE NonStop Development Environment (HPE NSDevEnv)



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Support
Support
Help

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HPE NonStop Development Environment (HPE NSDevEnv)

Hewlett Packard Enterprise

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



Sample Screenshots of NSDevEnv (6 of 8) – GCP


Releasing shortly

Start your Free Trial with \$300 in credit. Don't worry—you won't be charged if you run out of credits. [Learn more](#)

Google Cloud HPENSDevEnvWinOnGCP-public

DISMISS START FREE

Product details

 **HPE NonStop Development Environment (HPE NSDevEnv)**
[Hewlett Packard Enterprise Company](#)

HPE NonStop Development Environment (NSDevEnv) on GCP (Windows)

LAUNCH VIEW DEPLOYMENTS



- OVERVIEW**
- PRICING
- DOCUMENTATION
- SUPPORT

Overview

Now develop and test your business-critical applications for HPE NonStop from anywhere. HPE NonStop Development Environment (NS DevEnv) on GCP 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 GCP 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.

Additional details

- Runs on: Google Compute Engine
- Type: [Virtual machines](#), Single VM
- Last product update: 9/5/23
- Category: [Developer tools](#)
- Version: 1.0.0
- Operating System: Windows server 2022
- Add to Service Catalog: [Deployment .zip file](#)



Sample Screenshots of NSDevEnv (7 of 8) – GCP

Releasing shortly

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Google Cloud HPENSDevEnvWinOnGCP-public

Product details HPE NonStop Development Environment (HPE NSDevEnv)
Hewlett Packard Enterprise Company

OVERVIEW **PRICING** DOCUMENTATION SUPPORT

Pricing

The table below shows the estimated costs using the default configuration. You can customize the configuration later when deploying this solution.

Windows Server 2022 Datacenter Edition Usage Fee	USD 67.16/mo
SHOW MORE	
License for Cloud Marketplace virtual machine image solution with billing service hpenonstopdevenvwingcp.endpoints.hpensdevwinongcp-public.cloud.goog: default Usage Fee Image usage fee is charged with a 1-minute minimum and billed by Google: vCPU Based Pricing: <ul style="list-style-type: none">USD 0.20/hour (USD 146.00/month) for all instances.	USD 146.00/mo
SHOW LESS	
Infrastructure fee	
VM instance: 1 shared vCPU + 4 GB memory (e2-medium)	USD 24.46/mo
Balanced Disk: 50GB	USD 5.00/mo
Sustained use discount	- USD 0.00/mo
Estimated monthly total	USD 242.62/mo

Price estimates based on 30-day, 24hrs per day usage of the listed resources in the Central US region. The Estimated Monthly Infrastructure Fee calculation may not reflect all Google Cloud IaaS resources actually created.

Google Cloud Free Trial

New Google Cloud customers may be eligible for free trial.

[Learn more about Google Cloud pricing](#) & [free trial](#)



Sample Screenshots of NSDevEnv (8 of 8) – GCP

Releasing shortly

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Google Cloud HPENSDevEnvWinOnGCP-public

Product details **HPE NonStop Development Environment (HPE NSDevEnv)**
Hewlett Packard Enterprise Company

OVERVIEW PRICING **DOCUMENTATION** SUPPORT

Tutorials and documentation

HPE NSDEE 12.0 data sheet This document provides lists all the features and describes them in detail.	NSDEE 12.0 User Guide Complete guidelines for using HPE NSDEE 12.0
C/C++ Programmer's Guide for NonStop Describes the implementation of C and C++ languages in HPE NonStop systems	COBOL Manual for TNS/E & TNS/X Programs Describes the implementation and usage of COBOL85 in HPE NonStop systems
NonStop Development Environment This is short youtube video on how to use NSDevEnv on Cloud	HPE NonStop Development Environment FAQs Provides useful information about NSDevEnv in the form of questions and answers

Support

Please click the Learn more link below to know how to ask for support.

[Learn more](#)

Terms of Service

By using this product you agree to the [Google Cloud Marketplace Terms of Service](#) and the terms and conditions of the following software license(s): [End User License Agreement](#).



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](#)



Futures

- Availability of a NonStop to deploy & debug



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

Thank you for attending this talk

TBC23-TB71 HPE NonStop Development Environment for Public Cloud (NSDevEnv)

Shanice Abigail
shanice.abigail@hpe.com

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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