Hewlett Packard Enterprise

Data sheet

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HPE NONSTOP LOCAL ANALYST SOFTWARE
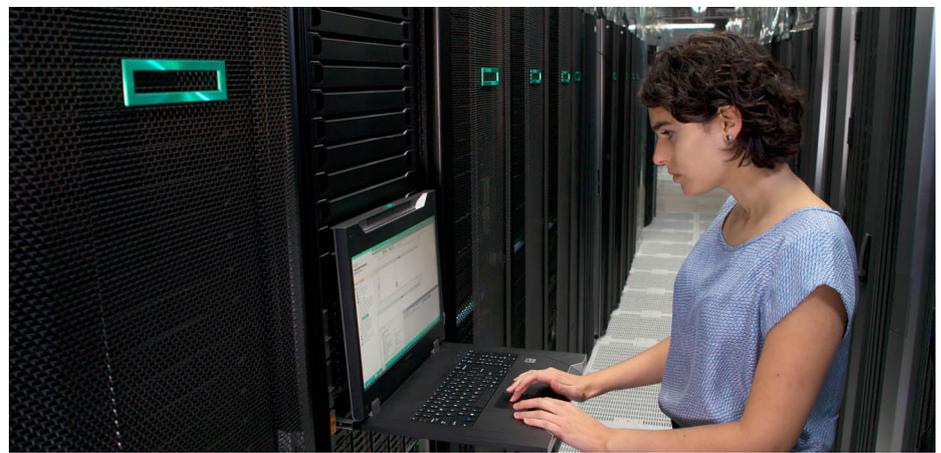
HPE NonStop Local Analyst is an off-platform, comprehensive performance analytics for HPE NonStop systems. Residing on one or more Windows Servers in your organizations, it receives and analyzes performance metrics from your HPE NonStop systems.

HPE NonStop Local Analyst provides a feature-rich user interface (UI), which allows the user a full view and control of data analysis, drill-down options, reporting, in-depth analysis, and managing data. Its objective is to:

• Detect issues before they become a problem and affect your business

• Assist you with quick investigative work should you need to resolve a concern

• Help you plan for growth and to help ensure you have enough computing resources

• Improve your productivity

HPE NonStop users have the advantage of using links on their online monitoring and management tool: Web ViewPoint Enterprise (WVP Ent) to directly connect to HPE Local Analyst. This enables the user to analyze the full historical details of a selected object on HPE Local Analyst, via a single click on WVP Ent.

AUTOMATED OPERATION AND LINK TO FULL ANALYTICS

HPE Local Analyst employs sophisticated machine learning (ML) algorithms to learn from past system behavior, and forecast future requirements and expected utilization. This information is then shared with WVP Ent to employ an intelligent operation and alarm logic. It is as if your business had an expert HPE NonStop analyst who knows about your applications and servers, monitors them 24x7, and when needed, can take actions at a fraction of a second.

KEY FEATURES

Alerts and detail drill-down options

HPE Local Analyst highlights areas that require attention with multilevel links to their root causes. Knowing that something is not right is only the beginning. Determining the root cause is the key. This is where the nearly unlimited drill-down features of HPE Local Analyst are very beneficial. The drill down feature plays an integral part when experts want to examine the system on their own.

Using the Data Browser feature within HPE Local Analyst, you can reduce the research time to a fraction of what it may require when using Measure. Here are some key points of what you can do with Data Browser:

• Tie all related system entities and metrics through a smart graphical interface; Users can just click through metrics for any of the supported entities. They can easily find all other related metrics and travel through time, as if they are doing a system playback

• Gain advance knowledge of when more resources may be needed

• Anticipate and correct problems before they affect your business

• Fine-tune your system to take advantage of available resources

Machine learning and forecasting

Inherent in the analytics logic of HPE Local Analyst, is the ability to forecast the future, or determine how a different resource configuration may have affected the past.

HPE Local Analyst collects HPE NonStop system statistics throughout the day, every day and stores them for years, depending on storage allocated to it. For each HPE NonStop system, HPE Local Analyst's ML algorithm goes through tens of millions of records each day, to learn about its daily and hourly patterns. Resource utilization is mapped over time, to understand normal behavior, as well as highlighting exceptions, which may occur over time. This map and its corresponding data set is then analyzed and run through sophisticated artificial intelligence (AI) algorithms, which highlight exceptions and alert conditions.

HPE Local Analyst can also set its algorithm to follow your priorities. To start with, you can tell it what your workday and hours are—when batch jobs are run and whether certain days (for example, New Year's Day) have exceptional usage. HPE Local Analyst figures these on its own, but a user setting can create an additional layer of sensitivity.

A forecasting algorithm looks at the ML map, exceptions, and your sensitivity settings and determines how the HPE NonStop system is expected to behave every minute of every day, going forward. A forecasting table is created, which then is used in two areas:

Recorded actual versus expectation—Comparisons made between forecast and actual. Each exception is highlighted. The details in several categories are ported through emails. Every exception and noted highlight has a direct link from the email to HPE Local Analyst details.

Reporting

Reports and reviews available through HPE Local Analyst are deemed as one of the most comprehensive set of expert analysis available. HPE Local Analyst has over 90 built-in reports that provide an excellent coverage of many entities and a wide variety of views. The user is provided with a range of variables to qualify the report section. Reports and charts are generated in Excel workbook format. Some of the key benefits are as follows:

• Relieves you from the workload of gathering data by automatically collecting HPE NonStop system performance metrics for you

• Automates the time-consuming and repetitive performance analysis tasks that you may prefer to delegate

• Provides fast results and analysis information that reaches you within minutes

• Enhances decision-making quality by interpreting complex data with clearly presented and well-organized screens and reports

• Balance and tune your system based on tuning recommendations provided by HPE Local Analyst

• Grades and reviews of different aspects of your system activities and configurations

• Alerts on conditions, which may require quick action

• Provides tuning recommendations and expected improvements, should tuning recommendations be implemented

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HPE Pointnext Services offers for at a glance

TECHNICAL SPECIFICATIONS

HPE NonStop platform	• HPE NonStop X systems • HPE Virtualized NonStop systems • HPE Virtualized Converged NonStop X NS2 systems
Windows Server hardware	• Minimum of 32 GB of RAM, 3.1 GHz Intel® Xeon® Platinum
Windows Server software	• Windows 2019 Servers or later • Microsoft Internet Explorer 11, Edge, Google™ Chrome, and Mozilla Firefox • MySQL 5.7, MySQL Workbench 8.0 for Admin tasks • IIS 7 and ASP.NET 4.6 • SFTP Server, Mailserver

Training and education
Gain the skills you need with training and certification from HPE. With HPE NonStop training, you accelerate your technology transition, improve operational performance, and get an excellent return on your HPE investment.

Our training is available when and where you need it, through flexible delivery options and a global training capability. More trainings and webinars can be found at: nonstop-academy.com

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