



Hewlett Packard
Enterprise

Automated Ops Management, Payment Monitors, Smart Analytics



Vito Shrivastava

Product Lead



October 2023

Live & Analytics – Integrated Solutions

Operations



Automated Operation Management Solution

Web ViewPoint
Enterprise

Performance

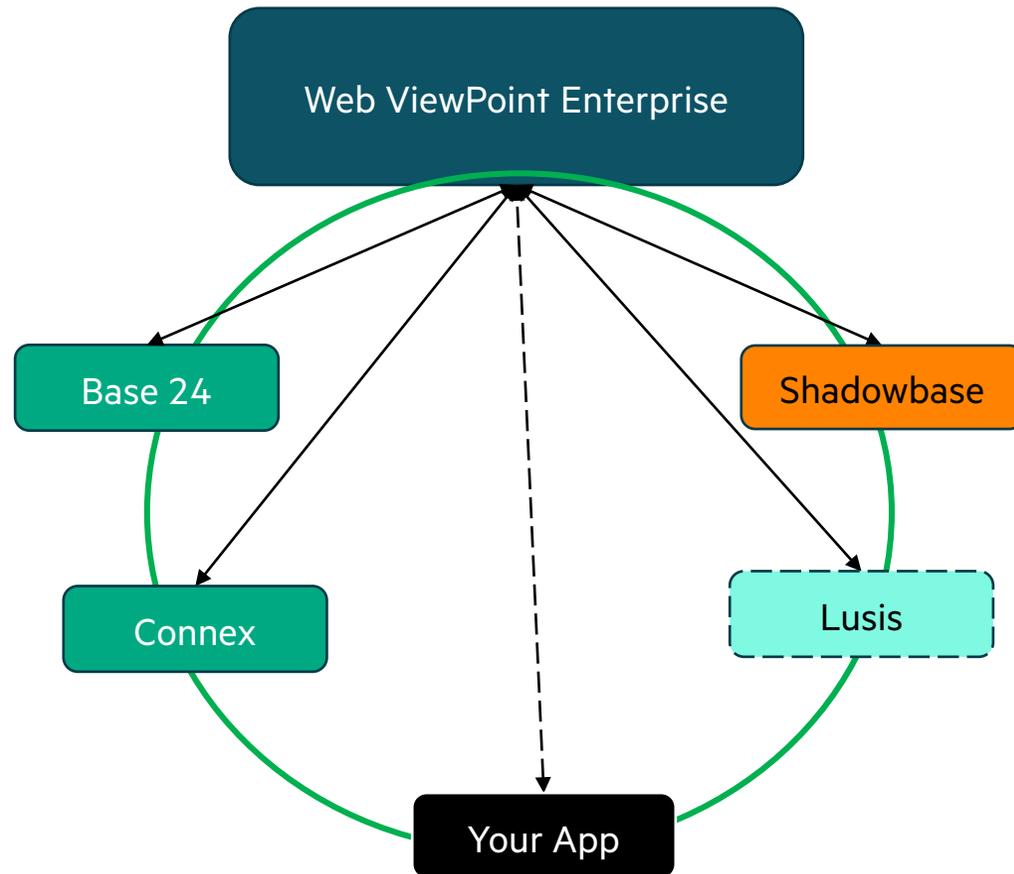


Performance Analytics Solution

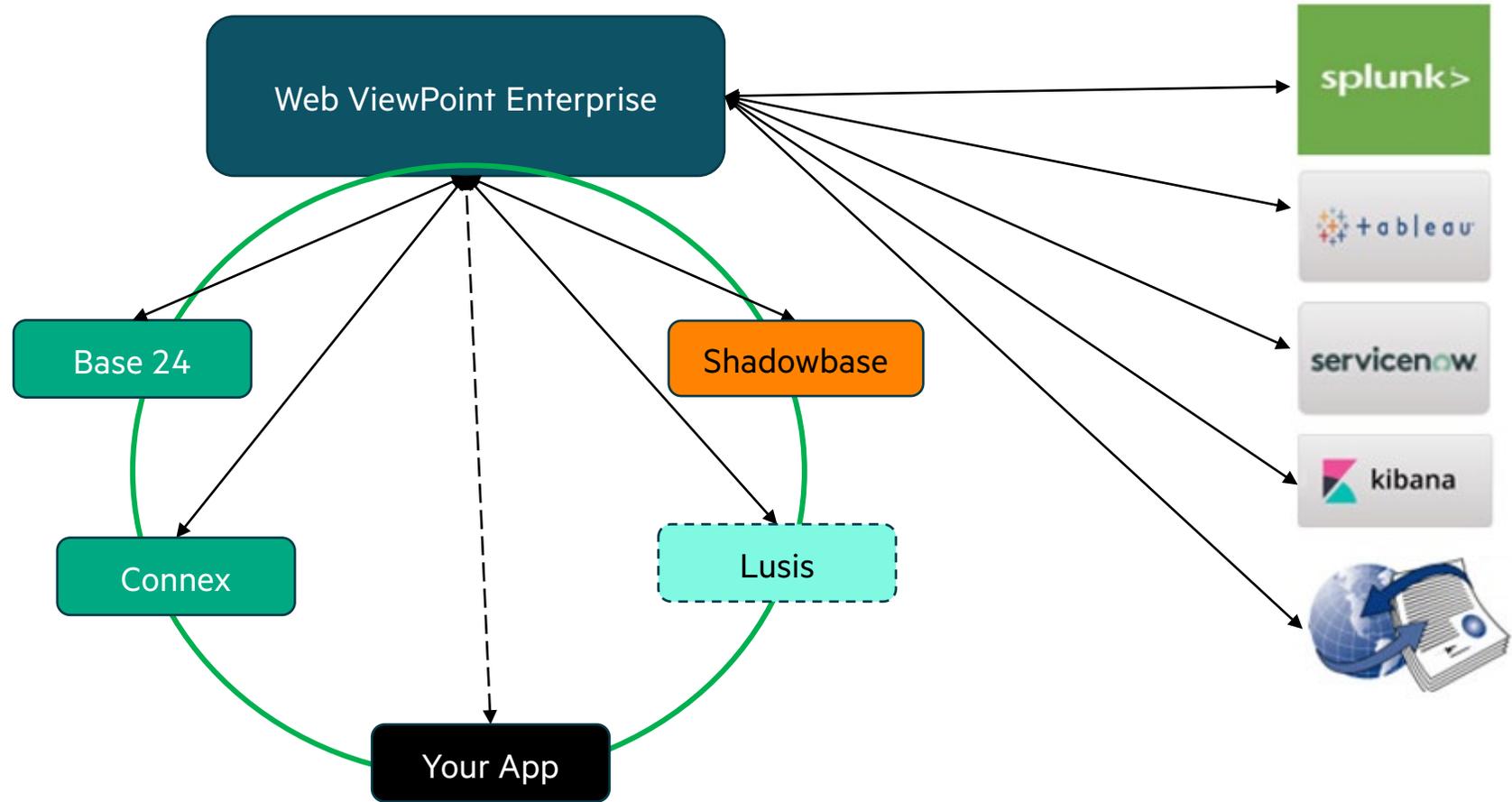
Local Analyst

Remote Analyst

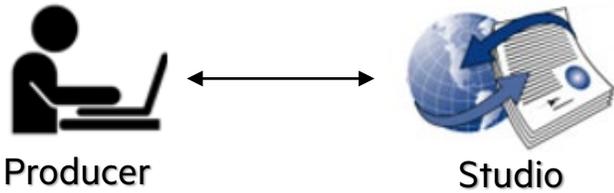
Open Architecture



Power of Integration



Be Creative: Studio



Add Product

Name:

ID:

Product Description:

Version:

Version Description:

Upgrade Options:

Owner:

SSID:

* Required

Web ViewPoint Enterprise Version: WVPvABCDvNNO

About
Created at 10:30 PST on June 3, 2021 Published at 18:23 on June 18, 2021

Assigns
Assigns: Params:

Params
Data Files: Object Files:

Files
Stat. Objects: Stat. Metrics:

Statistics
- Objects
- Metrics

To Install
Readme Created at 11:23 on June 16, 2021

To Manage
YAML Created at 13:22 on June 16, 2021
PPAK Uploaded at 13:48 on June 18, 2021

Prepare to Publish

Web ViewPoint Enterprise Version: WVPvABCDvNNO

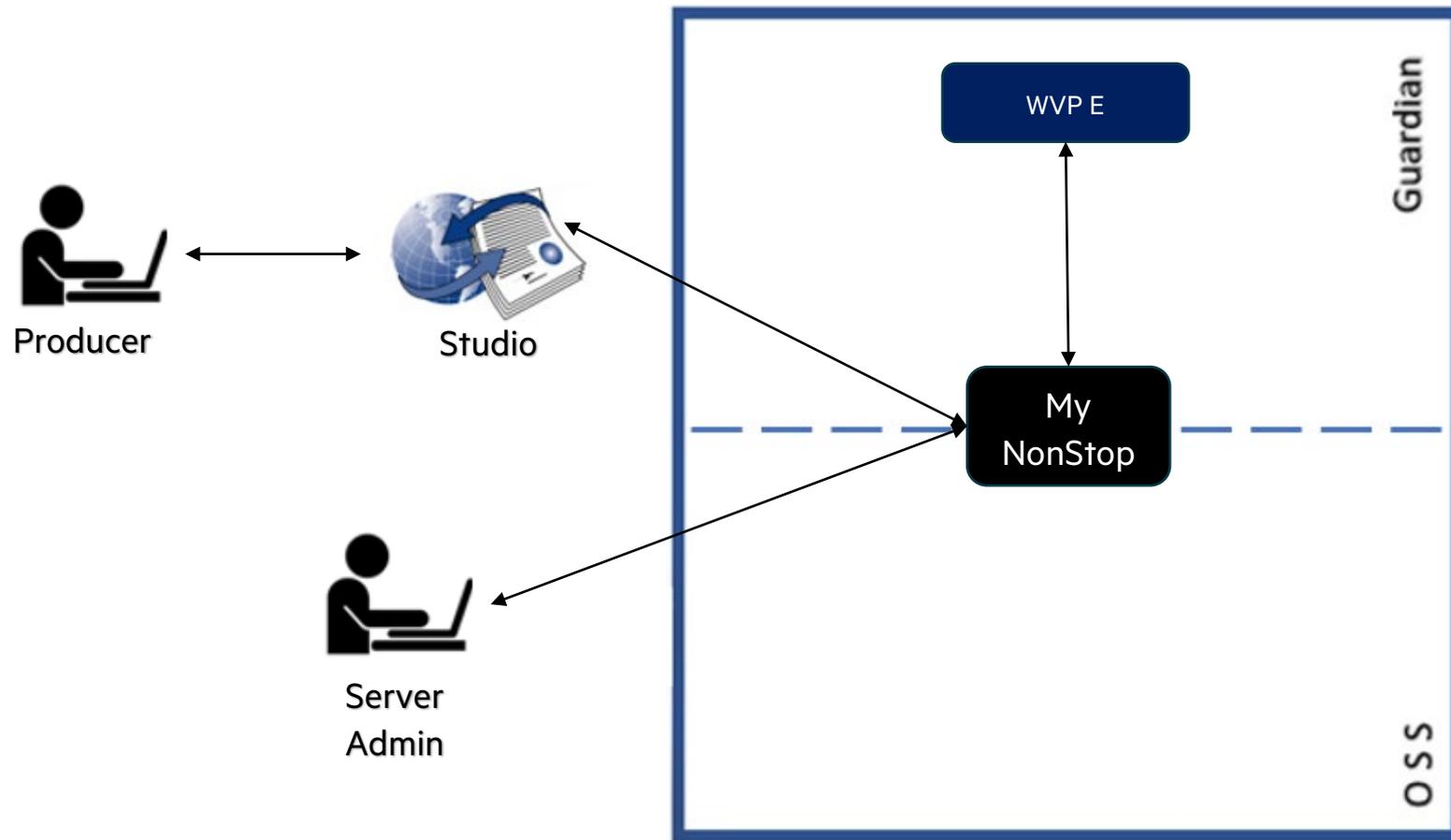
1. Preview Readme 2. Download YAML 3. Upload PPAK

Choose file to upload

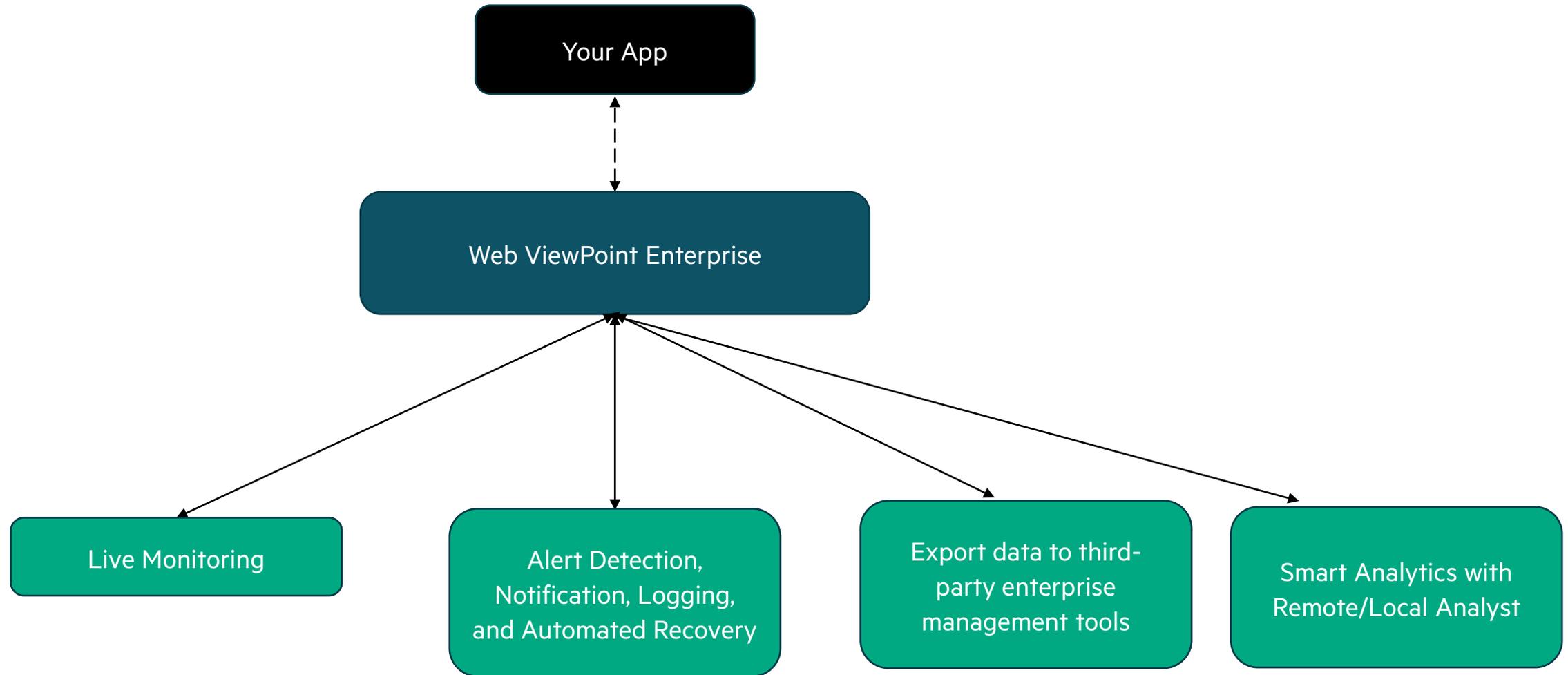
Or drag and drop it here



My NonStop



Bring all features of Web ViewPoint Enterprise to your apps



My NonStop – Shop and Install

MY NONSTOP

Shop & Install

Manage

Shop & Install

Studio NonStop My PC

Server: \RADVNS1 - 080627 Add filters...

Server	Producer	Product	Version	Published Date	Installation Date	
\RADVNS1	Gravic	Shadowbase Monitor	L01	2021-11-03	2021-11-03 13:14:30	Installed  
\RADVNS1	IDELJI	Web ViewPoint Enterprise	L01AAR	2021-11-03	2021-11-03 11:42:53	Installed  



My NonStop – Manage Products

MY NONSTOP

Shop & Install

Manage

Manage

Server: \RADVNS1 - 080627 Product Status: All Active Inactive

Server	Product	Version	Installation Subvol	Installation Date	Status	
\RADVNS1 - 080627	Shadowbase Monitor	L01	\$ISERV1.WVPVED	2021-11-03 13:14:30	Active	Start Stop Refresh Edit Delete
\RADVNS1 - 080627	Web ViewPoint Enterprise	L01AAR	\$ISERV1.WVPVED	2021-11-03 11:42:53	Warning	Start Stop Refresh Edit Delete



Automated Management

- Easy install
- Smart upgrade
- Automated onboarding
- Single-click Start/Stop

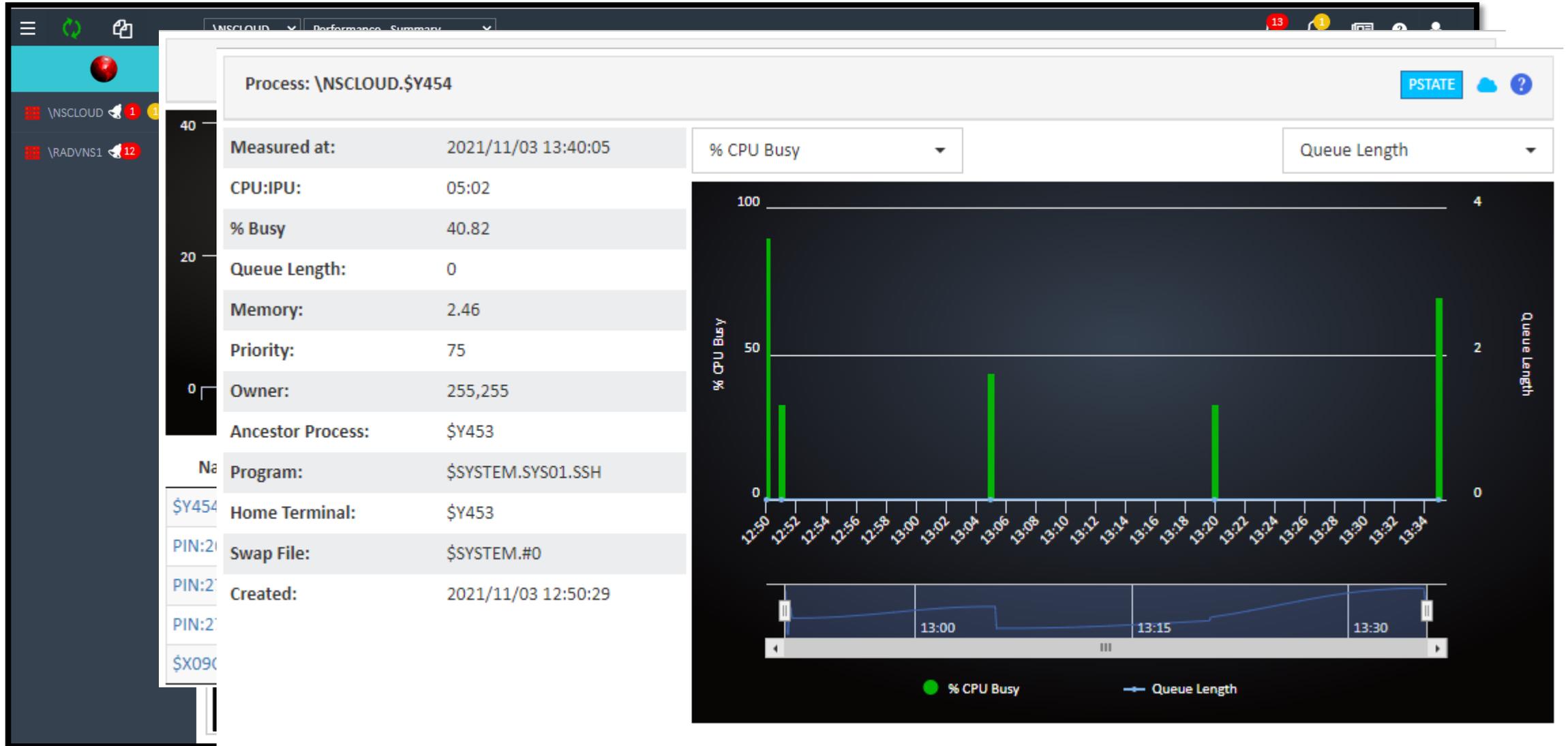


Web ViewPoint Enterprise

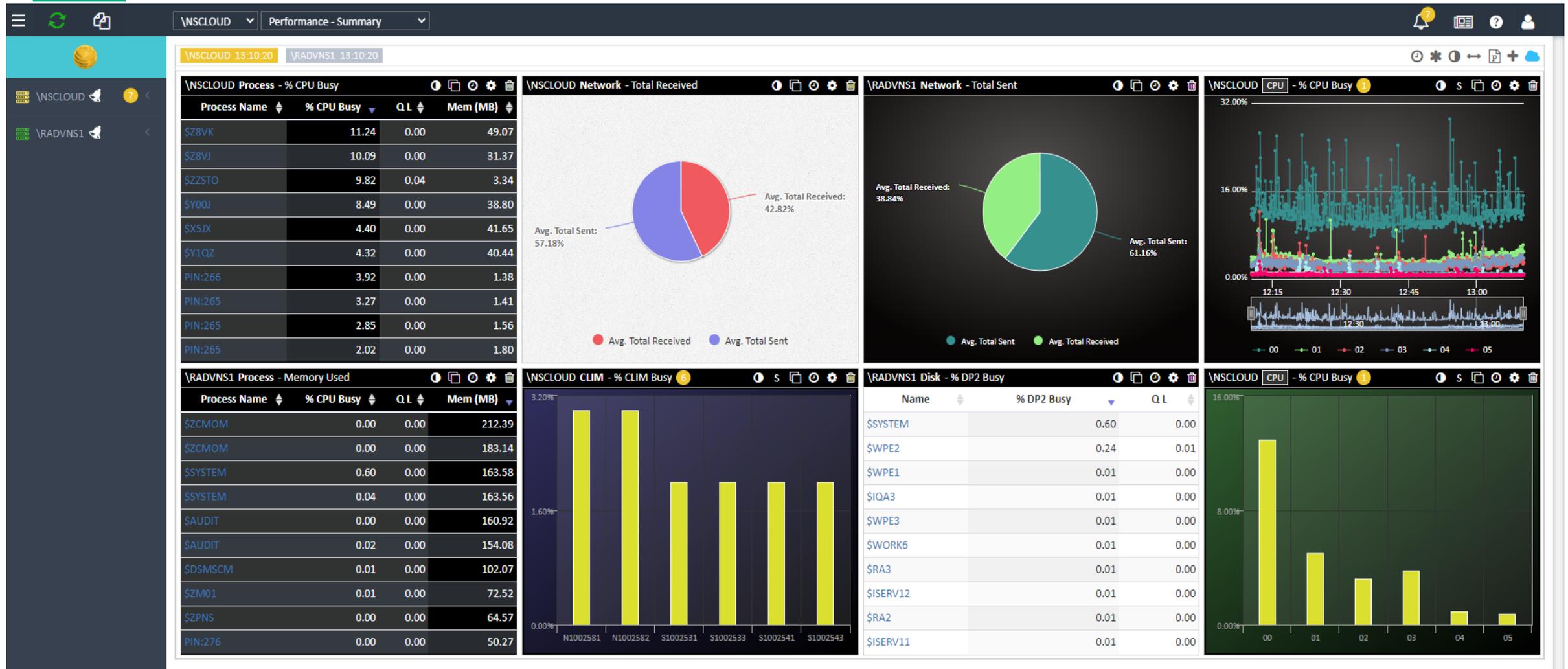
- Monitor your System and applications live, at 5-second intervals
- No Client to install. Use modern and secure browsers instead.
- Very low impact on NonStop.
- Point-and-click to define thousands of alert conditions (No scripts). WVP E does the rest.
- Automatically open tickets on Service Now; share data with Splunk, Moog, RA/LA, ...
- Designed and developed for use by hardcore Tandem pros, as well as new grads coming onboard.
- NonStop is no longer an island.



Web ViewPoint Enterprise - Live & Open



Web ViewPoint Enterprise – Dashboard Customizations



Automated Alert & Recovery

Add Alert

Settings

Forward

Name: Minor To Enterprise Manager Via

Staff Via

Pass Text:

Frequency Once Notify upon recovery

Every Minutes, until resolved

Synchronize

Major To Enterprise Manager Via

Staff Via

Pass Text:

Frequency Once Notify upon recovery

Every Minutes, until resolved

Escalate To Via After Minutes

Take Action

Obey Run TACL

Out:

Pass Text:

Event Analyzer



Smart Analytics: Storage

← Prev 10/11/2022 Next →

Current files in \$AUDIT.INSTALL of all users

Name	Type	Code	Size MB	Owner	RWEP	Modified
AA	U	0	0.0	IDEV.DEV1	AGON	2022-05-05 23:54:42
AA1	U	0	0.0	IDEV.DEV1	OOOO	2022-05-06 02:33:26
AAD	U	101	0.0	IDEV.DEV1	OOOO	2022-05-04 23:48:16
AAF	U	0	0.0	IDEV.DEV1	NUNU	2022-05-03 23:13:00
BB	U	0	0.0	IDEV.DEV2	NUNU	2022-05-03 22:27:31
FILEMGR	U	100	0.8	SUPER.SUPER	NUNU	2020-07-24 09:22:57
FILEMGRD	U	100	0.8	SUPER.SUPER	NUNU	2021-02-18 15:54:47
IPREADM	U	101	0.0	SUPER.SUPER	NUNU	2020-07-24 09:22:57
L005001		1729	953.7	SUPER.SUPER	NUNU	2020-05-12 15:43:21
L0050011		1729	953.7	SUPER.SUPER	NUNU	2020-05-12 15:44:27
L0050012		1729	953.7	SUPER.SUPER	NUNU	2020-05-12 15:45:34
L0050013		1729	953.7	SUPER.SUPER	NUNU	2020-05-12 15:46:42
L0050014	U	1729	953.7	SUPER.SUPER	NUNU	2020-05-12 15:47:52
L0050015	U	1729	953.7	SUPER.SUPER	NUNU	2020-05-12 15:49:00
L0050016	U	1729	953.7	SUPER.SUPER	NUNU	2020-05-12 15:50:09

Properties
 Duplicate
 Move
 Rename
 Alter
 Delete

New Size MB

0.0

Group Count

254 165 0

0 120,000 240,000

New PID	Old	Unused
0	21	3
0	27	0
0	6,717	0
0	273	85
0	169,371	389,751

	Days to 90%	Days to 100%
0.0	338,937	376,702
0.0		
0.0		
0.0		
0.7	N/A	N/A

< 1 2 3 >



Monitoring Events

The screenshot displays a monitoring application interface. On the left, a table lists events with columns for 'Time' and 'Process ID'. A modal window titled 'Token Dump Information' is open, showing details for a specific event. The event details include:

- Time:** 2021/11/03 01:39:28
- Process ID:** \NSCLOUD.\$Z06D
- Subsystem ID:** TANDEM.TMF.G10
- Event #:** 000201
- Comment:** Enter comment
- Acknowledge:** (checked)
- Cause/Effect/Recovery Information from EVENTTX:**
 - 201**
 - Action completion event for TMF *0200*.**
 - Cause:** Scratch tapes have been added to, or made available within, the TMF catalog.
 - Effect:** None
 - Recovery:** Informational message only; no corrective action is
- Token Dump:**
 - Header_type: 1
 - Checksum: F
 - Last_error: no_error (0)
 - Last_error_tknocode: (0,0,0)
 - Max_field_version: 0
 - SSID: TANDEM.TMF.G10
 - Used_byte_length: 172
 - Buffer_byte_length: 172
 - Console-Print: F
 - Generating-CPU: 0

At the bottom of the modal, there is an 'Acked By:' field with a placeholder 'Group.User/Alias' and a 'Reset' button.

And much more...

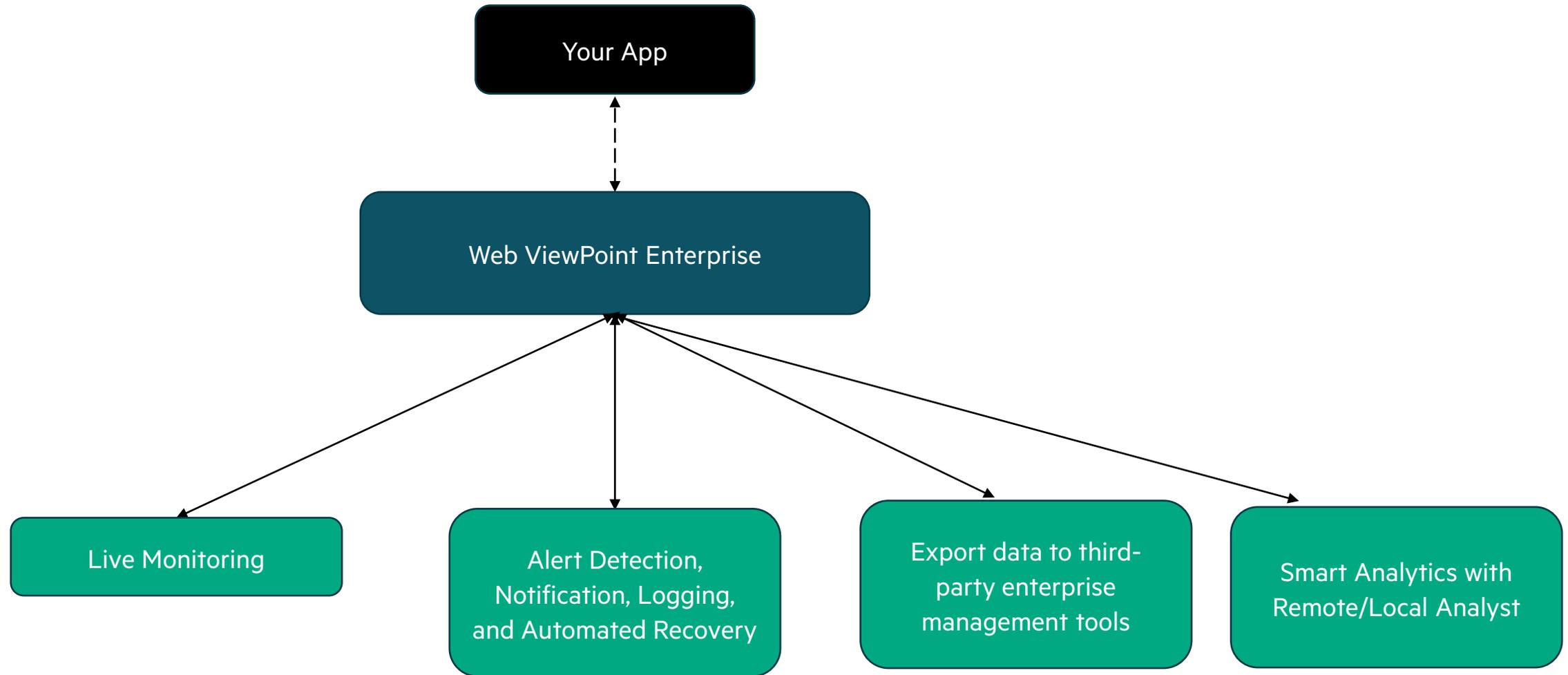
\NSCLOUD 2 <
 \RADVNS1 2 2 <
 Events
 Operation >
 Pathways <
 Spooler
 Storage <
 Analyses <
 Admin <

\$SPLM
 \$SPLS
 \$SPLT

Job	Batch	State	Owner	Date	Copies	Pages	Report	Location
1		- READY	SUPER.SUPER	2022/07/19	1	1	SUPER SUPER	#START SPOOLER
2		- READY	SUPER.SUPER	2022/07/19	1	1	SUPER SUPER	#START SPOOLER
3		- READY	SUPER.SUPER	2022/07/19	1	1	SUPER SUPER	#START SAFEGARD
4		- READY	SUPER.SUPER	2022/07/19	1	1	SUPER SUPER	#START TMF
5		- READY	SUPER.SUPER	2022/07/19	1	6	SUPER SUPER	#START TMF
6		- READY	SUPER.SUPER	2022/07/19	1	1	SUPER SUPER	#START NULL
7		- READY	SUPER.SUPER	2022/07/19	1	1	SUPER SUPER	#START VHS
8		- READY	SUPER.SUPER	2022/07/19	1	1	SUPER SUPER	#START MEASURE
9		- READY	SUPER.SUPER	2022/07/19	1	1	SUPER SUPER	#START SPOOLER
10		- READY	SUPER.SUPER	2022/07/19	1	1	SUPER SUPER	#START EXPAND
11		- READY	SUPER.SUPER	2022/07/19	1	1	SUPER SUPER	#START VHS
12		- READY	SUPER.SUPER	2022/07/19	1	3	SUPER SUPER	#START VHS
13		- READY	SUPER.SUPER	2022/07/19	1	1	SUPER SUPER	#START MEASURE



Bring all features of Web ViewPoint Enterprise to your apps



One Pane: Base24 Monitor on WVP E Dashboard

The dashboard displays several key performance indicators and transaction data:

- CPU - %:** A vertical bar chart on the left showing CPU usage levels.
- Node - State:** A table listing the status of various nodes.
- Process - CurrentState:** A table showing the current state of different processes.
- TRANSACTIONS - APPROVED:** A line graph showing transaction trends over time, with two series labeled PRO1 and SBIA.
- DEPARTMENT - Approved:** A table showing approved and declined transactions by department.
- STORE - Approved:** A table showing approved and declined transactions by store.
- LINE - CurrentState:** A list of transaction lines with their current states.
- INTERCHANGE - Response Code:** A table showing response codes and types for different interchange partners.

Name	State	Startup
SWITCHD.P1A^NODE	STARTED	STARTED
SWITCHD.P1B^NODE	STARTED	STARTED

Name	CurrentState
SWITCHD.P1B^NODE.P1B^HOST^PRSI^01	
SWITCHD.P1B^NODE.P1B^HOST^PRSP^01	
SWITCHD.P1B^NODE.P1B^HOST^PRSR^01	

Department	Approved	Declined
LAB SUBURBIA E1	0.00	1.00
TERMINAL DE APOYO	2.00	0.00
VENTAS POR INTERNET	12.00	0.00

Store	Approved	Declined
CDMX	0.00	1.00
LIV. CORPORAT	12.00	0.00
LIV. INSURGEN	2.00	0.00

Int Chg	Response Code	Type	Response From
MESA	000	Normal purchase	
SOMS	000	Normal purchase	
VALE	533	Normal purchase	
VALW	535	Balance inquiry	

Display your Base24 Monitor Metrics on WVP E Dashboard

New Frame Settings ? X

SERVER OBJECTS **APPS**

App Base24 Monitor ▼

Object Transactions ▼

Metric Approved ▼

Display Type

LINE BAR
PIE TABLE

Extra Metric 1 Declined ▼ X

+ ADD METRIC

Add

New Frame Settings ? X

SERVER OBJECTS **APPS**

App Base24 Monitor ▼

Object Transactions ▼

Display Type

LINE BAR
PIE TABLE

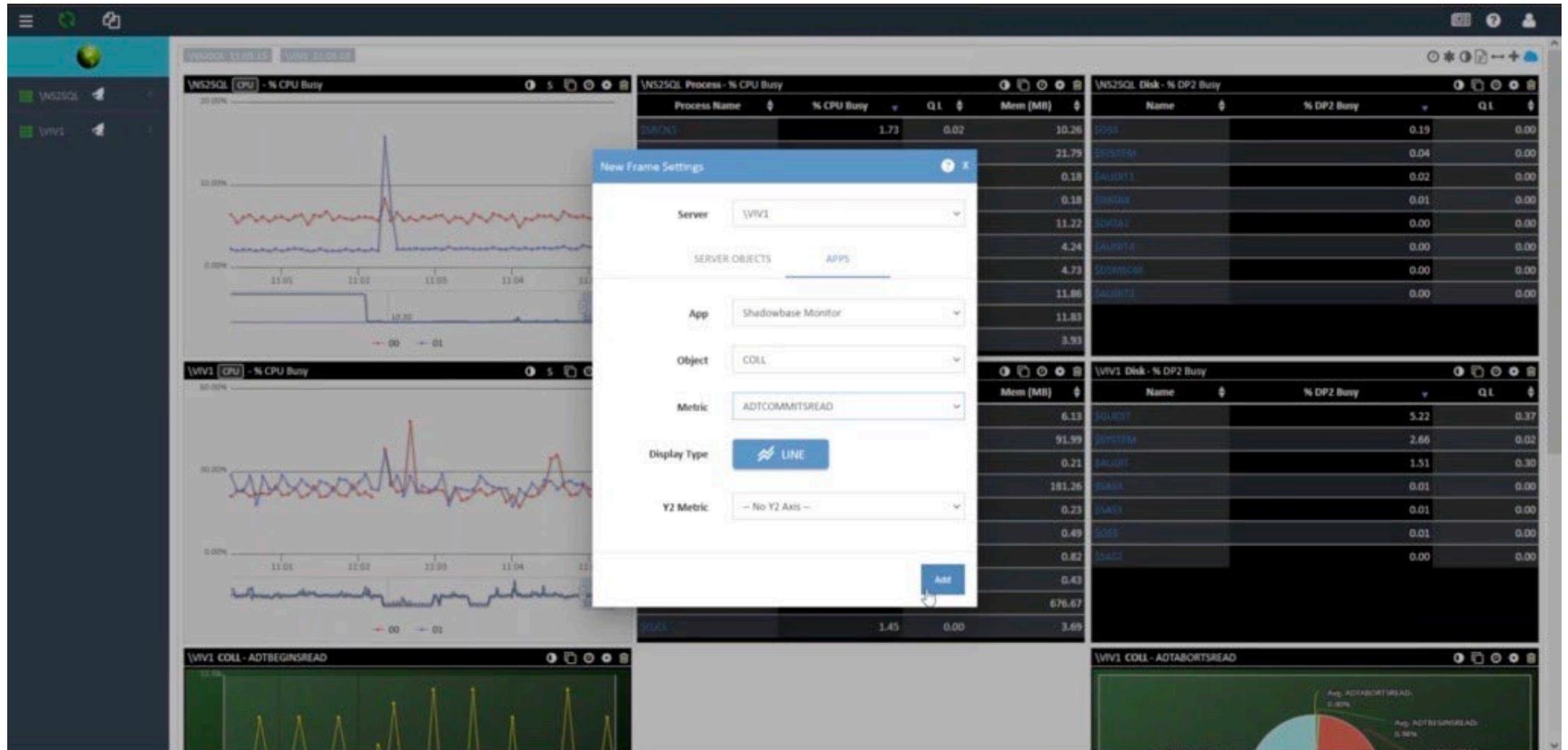
View Approval ▼

Approval
Times

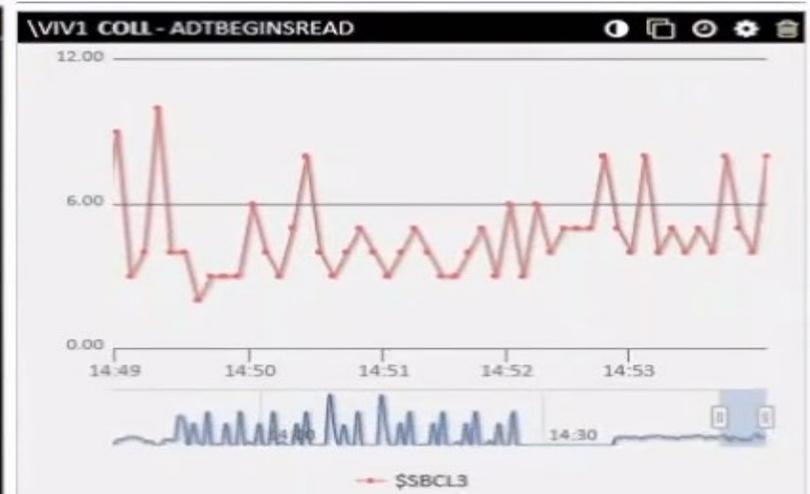
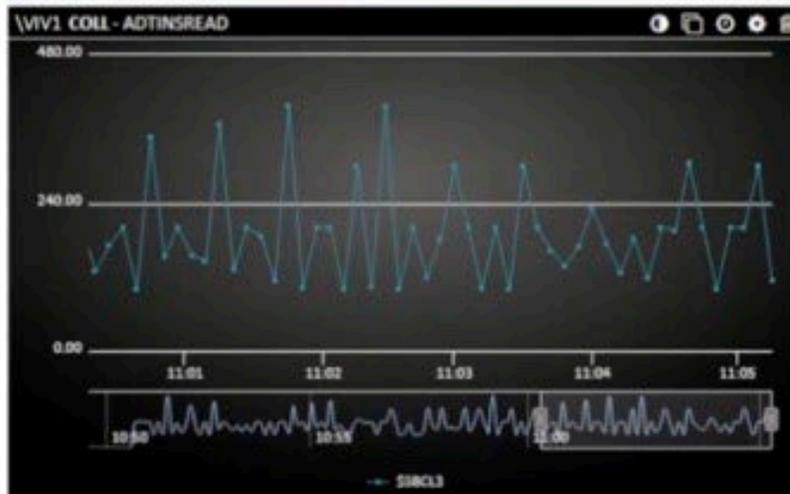
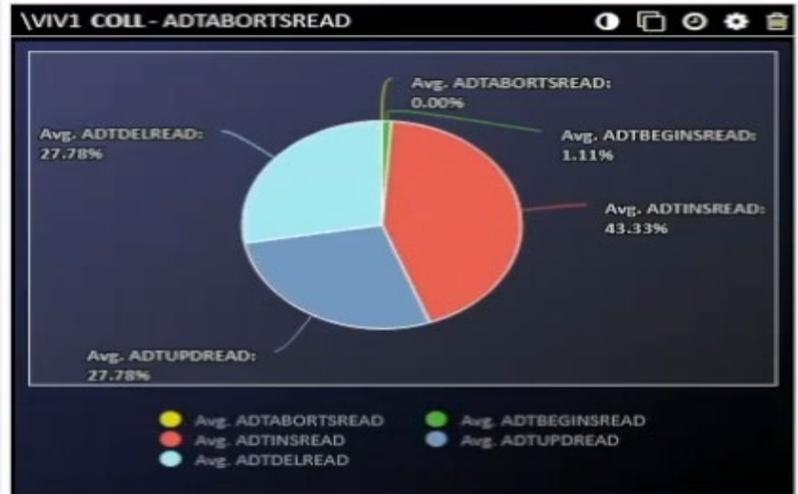
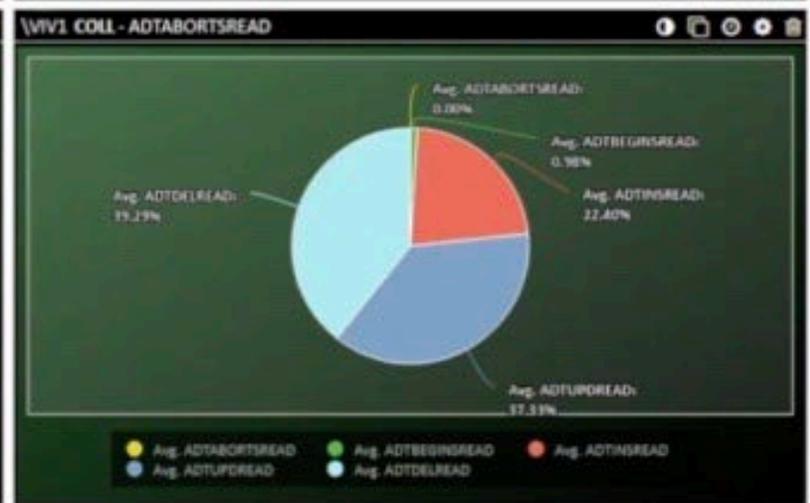
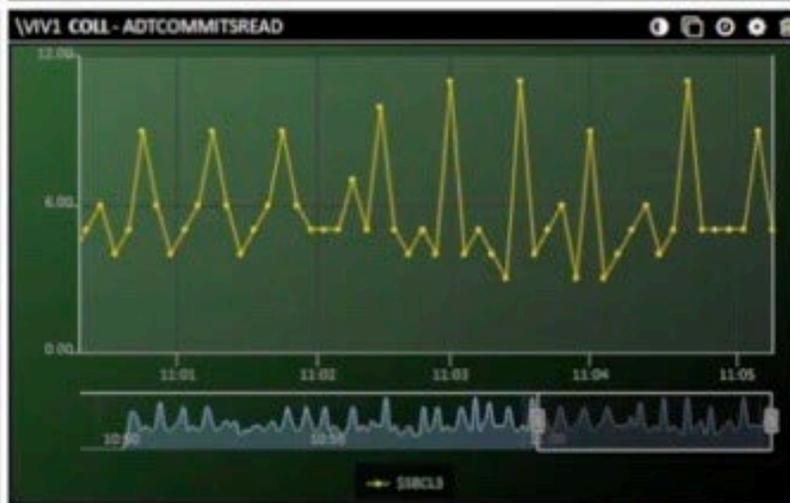
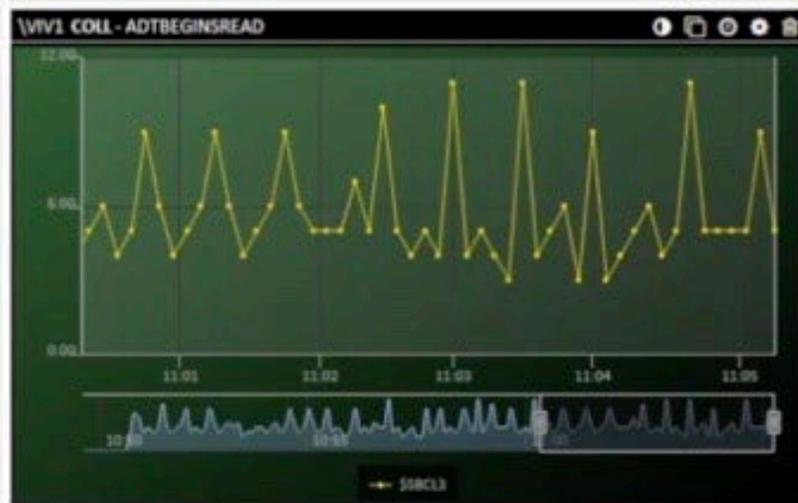
Add



Display your Shadowbase Metrics on WVP E Dashboard



One Pane: Shadowbase Monitor on WVP E Dashboard



Set up Alerts and Automate Recovery for Shadowbase using WVP E

Frequency: Every: Seconds Minutes On: From: To: Contiguous:

Severity: Use Custom

Forward

Minor To

- Enterprise Manager Via:
- Staff Via:

Pass Text:

Once

Frequency: Every Minutes, until resolved Notify upon recovery

Synchronize

Major To

- Enterprise Manager Via:
- Staff Via:

Pass Text:

Once

Frequency: Every Minutes, until resolved Notify upon recovery

Escalate To: Via: After Minutes

Take Action

Obey

Run TACL Out:

Pass Text:

Run as



Coming Soon...

- Lusic Payments Monitor Plug-In for Web ViewPoint Enterprise
- MQ Monitor – WVPE Plug-in for IBM MQ monitoring, alerting, and AutoOps
- VMBridge – Bridge between VMware and NonStop Guardian on VNS



Deutsche Bank's 700k Euro Leap

- Deutsche Bank achieved savings of ~ **700k Euros/year** since 2020 with Web ViewPoint Enterprise
- Web ViewPoint Enterprise continuously monitors hundreds of defined Alerts
No scripts, No confusions, More productivity
- Plans to save further using Local Analyst, in process of complete migration from previous complicated solution



Remote/Local Analyst

- Off platform analytics on Systems and Applications
- Detecting and reporting anomalies
- Deep Analytics
- Client-less secure interface
- Management & Technical reports
- Forecasting and recommendations



Public or Private. Your Choice.

Remote Analyst

Public Cloud on AWS

- Secure interface
- No management needed
- Very high availability
- No Software installation



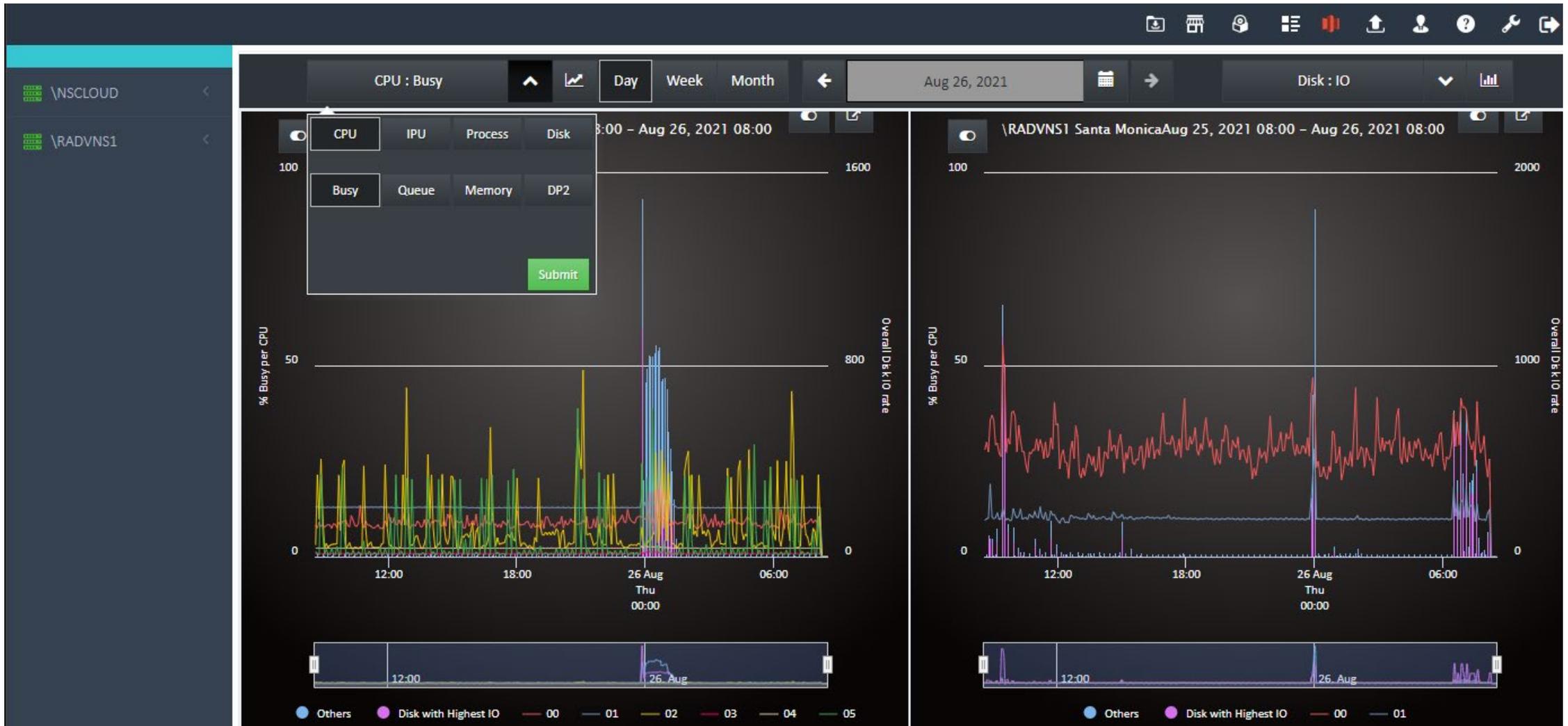
Local Analyst

Your Private Cloud

- Within your private network
- All data stays in-house
- Manage your own requirements
- Install updates as needed



Novice and Experts Alike



Know Computers? You are good to go

The screenshot shows a performance analysis tool interface. At the top, the system path is `INSCLOUD.$IDEL10.SA210825.FAGEOLD`. Below this is a time period selector for the interval from 00:00 to 01:00. The main section is titled "Generate these analyses" and is divided into two columns: "Reports (6)" and "Charts (7)".

Reports (6):

- Busiest Disk Files Overall Logical I/O Wait Time (R03)
- DISC-OPEN Analysis (R14)
- Disk I/O Heavy Hitters (R19)
- Disk Process Activity (R20)
- Disk SubSystem Activity (R21)
- Program Logical I/O Activity (R36)

Charts (7):

- Disk File 'Requests Blocked' Shares (C13)
- Disk File Overview (Alphabetic) Table (C15)
- Disk I/Os per Second View 1 (C20)
- Disk Queue Length Distribution (C25)
- Disk Request Rate Distribution (C26)
- Physical Disk Overview (C42)
- Relative Disk Balance (C52)

Below the selection lists, there is a field "And email them to" with two email addresses: `khody@idelji.com` and `marcus.pullen@hpe.com`. A green "Submit" button is located at the bottom right of the interface.

Report Scheduling

Add Schedule ? X

Type: Daily Weekly Monthly Quick Tuner Network Storage Application Pathway

Frequency: Weekly Monthly

Email:

Send on:

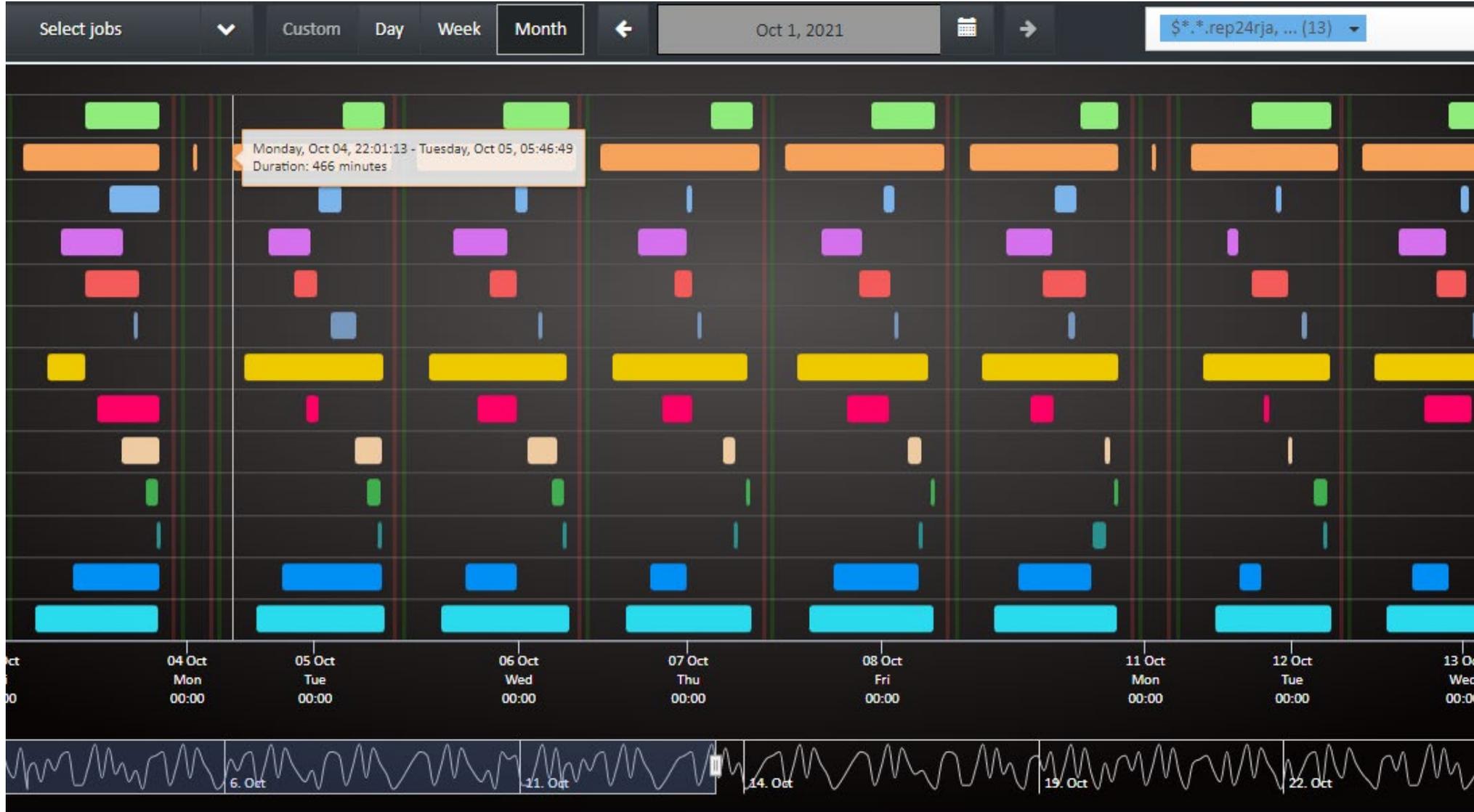
Maximum Process Bu	<input type="text"/>	Maximum Total Transient Transactions:	<input type="text" value="3"/>
Disk Queue Length >=	<input type="text"/>	Disk File Requests Blocked >=	<input type="text" value="1"/>
Disk File Transient Op	<input type="text"/>		

Cancel Submit

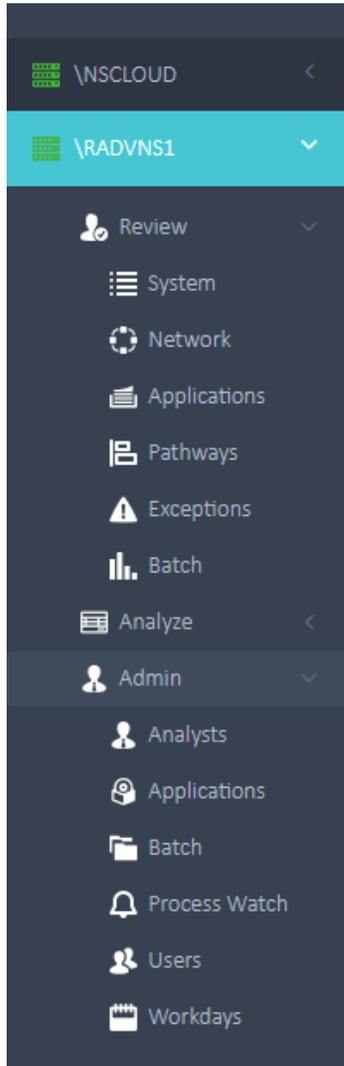


SLA

Make sure your batch job finish on time

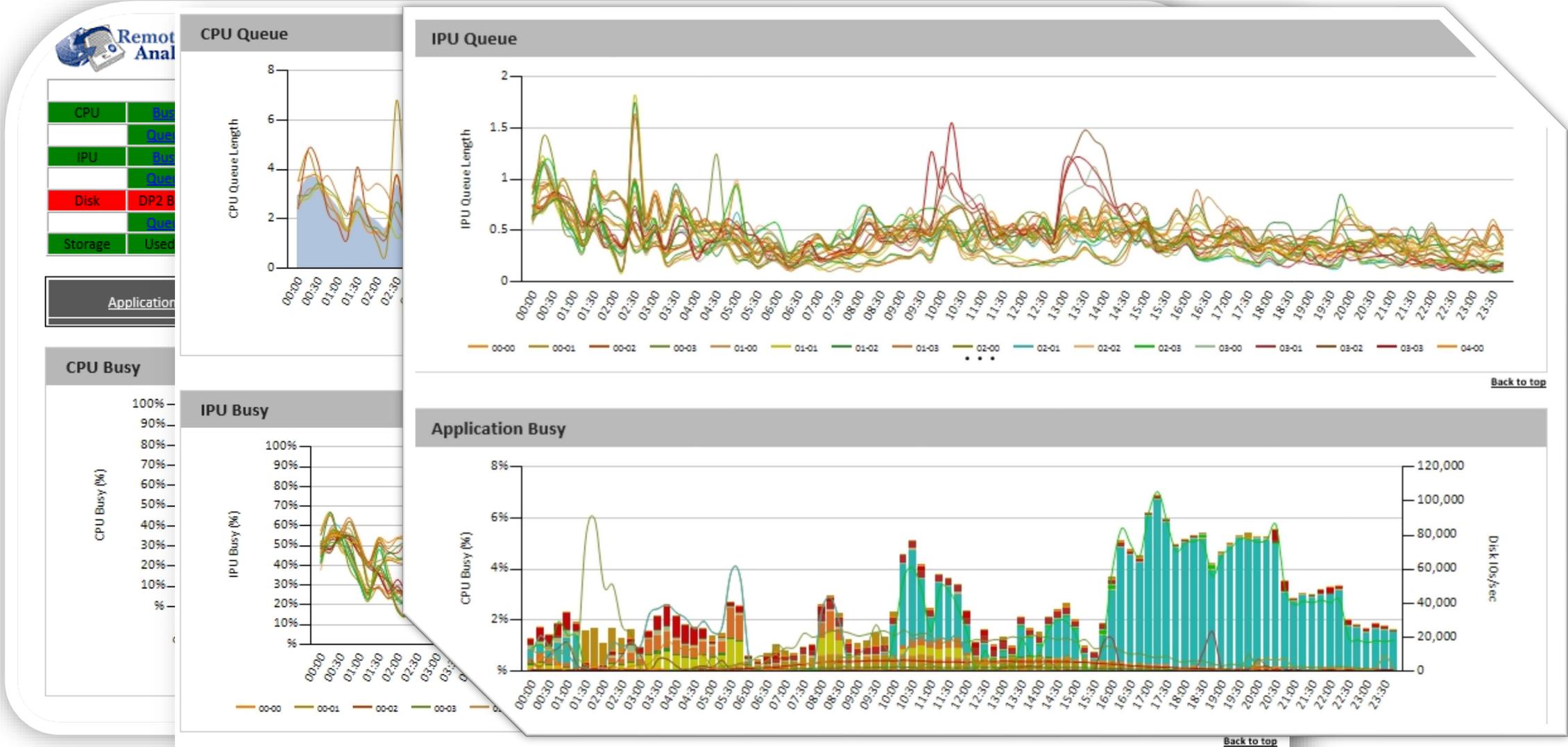


What Else?



- System. Measure Counters
- Network. TCP, IPv6, SLSA, Expand
- Applications. Any and all.
- Pathways. SERVERs
- User D.C. User Defined Counters
- Transactions Your definitions.
- Exceptions Anomalies
- Batch Meeting your SLAs
- Xapps Shadowbase, Base 24, Connex, any...

Analytics. They come to you.



Techie and Proud

File Transient Open Alerts (Q42)							CPU 01 IPU0s: 4						
Volume	Subvol	File Name	OSS Path Name	Time Stamp	Transient Opens	Open Queue Length	IPU 03 Queue Length	IPU 00 pct(%)	IPU 00 Queue Length	IPU 01 pct(%)	IPU 01 Queue Length	IPU 02 pct(%)	IPU 03 Queue Length
\$IDEL17	EAAGO22F	EARSTAT		8/3/2021 12:00:07 AM	752	0.24	00						

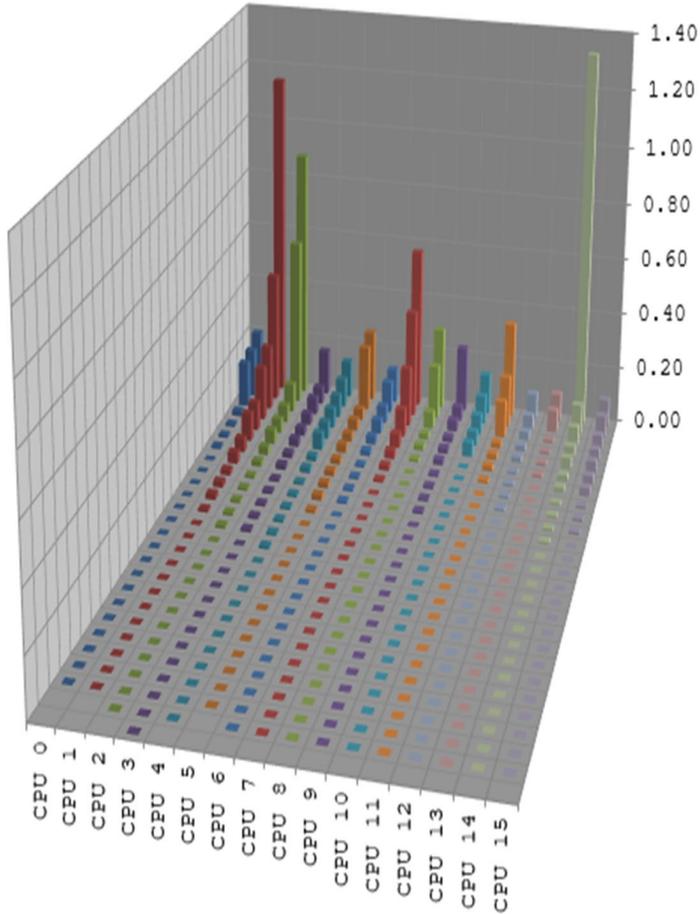
Memory Users Per Interval (Q19)											
CPU	PIN	IPU	Interval	Duration (hh:mm:ss)	Process	Type: Primary (P) Backup (B)	Backup CPU	Program File Name	Memory (MB)	CPU Busy pct (%)	
00	596	03	8/3/2021 12:00:00 AM	00:04:58	\$ASSKY	P	01	\$IDEL09.AAE2AAO.UMPSKYI	380.19	0.01	
00	596	03	8/3/2021 12:05:00 AM	00:05:00	\$ASSKY	P	01	\$IDEL09.AAE2AAO.UMPSKYI	383.08	0.01	
00	596	01	8/3/2021 12:10:00 AM	00:05:00	\$ASSKY	P	01	\$IDEL09.AAE2AAO.UMPSKYI	383.86	0.01	
00	596	01	8/3/2021 12:15:00 AM	00:04:58	\$ASSKY	P	01	\$IDEL09.AAE2AAO.UMPSKYI	381.43	0.01	
00	596	01	8/3/2021 12:20:00 AM	00:05:00	\$ASSKY	P	01	\$IDEL09.AAE2AAO.UMPSKYI	383.24	0.01	
00	596	01	8/3/2021 12:25:00 AM	00:05:00	\$ASSKY	P	01	\$IDEL09.AAE2AAO.UMPSKYI	383.53	0.01	
00	596	01	8/3/2021 12:30:00 AM	00:04:58	\$ASSKY	P	01	\$IDEL09.AAE2AAO.UMPSKYI	381.38	0.01	
00	596	00	8/3/2021 12:35:00 AM	00:05:00	\$ASSKY	P	01	\$IDEL09.AAE2AAO.UMPSKYI	383.23	0.01	
00	596	03	8/3/2021 12:40:00 AM	00:05:00	\$ASSKY	P	01	\$IDEL09.AAE2AAO.UMPSKYI	383.86	0.01	
03	596	00	8/3/2021 12:00:00 AM	00:04:57	\$USNMO			/usr/tandem/nssjava/jdk180_h80/bin/jav	69.37	0.01	
03	596	00	8/3/2021 12:05:00 AM	00:05:00	\$USNMO			/usr/tandem/nssjava/jdk180_h80/bin/jav	69.92	0.01	
03	596	00	8/3/2021 12:10:00 AM	00:05:00	\$USNMO			/usr/tandem/nssjava/jdk180_h80/bin/jav	70.03	0.01	

8/3/2021 12:35:00 AM 00:00:45.29 02:00:54.22 10:00:57.12 12:05:15 13:50:50.11 15:32:00.02 17:30:00.02 19:30:00.03 21:00:00.04

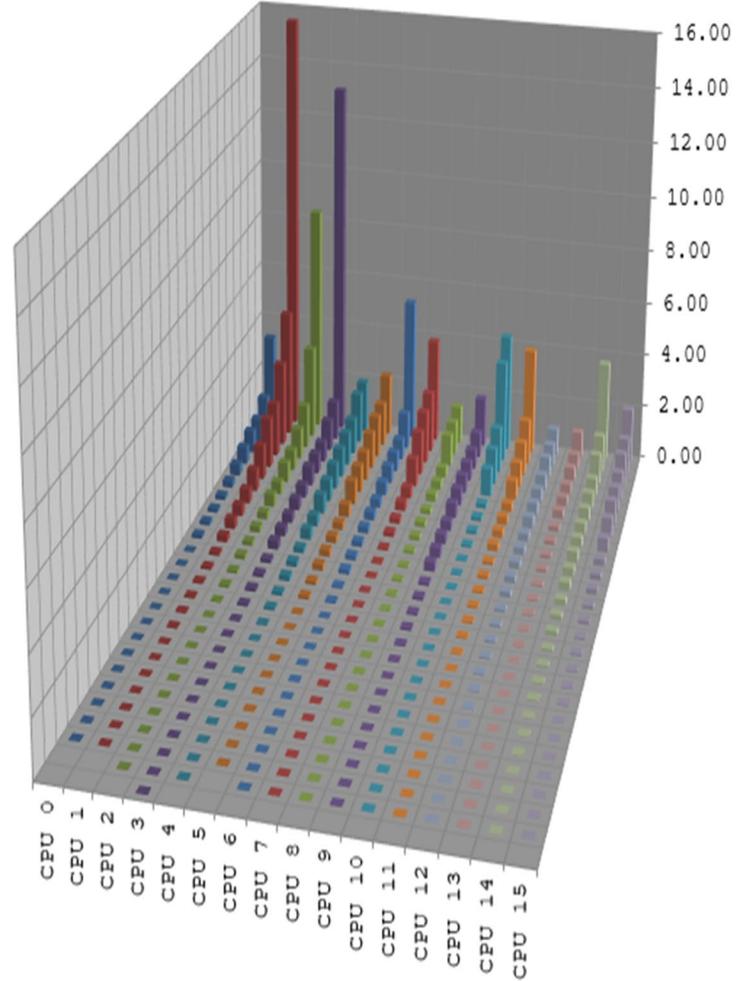


Let's dig in

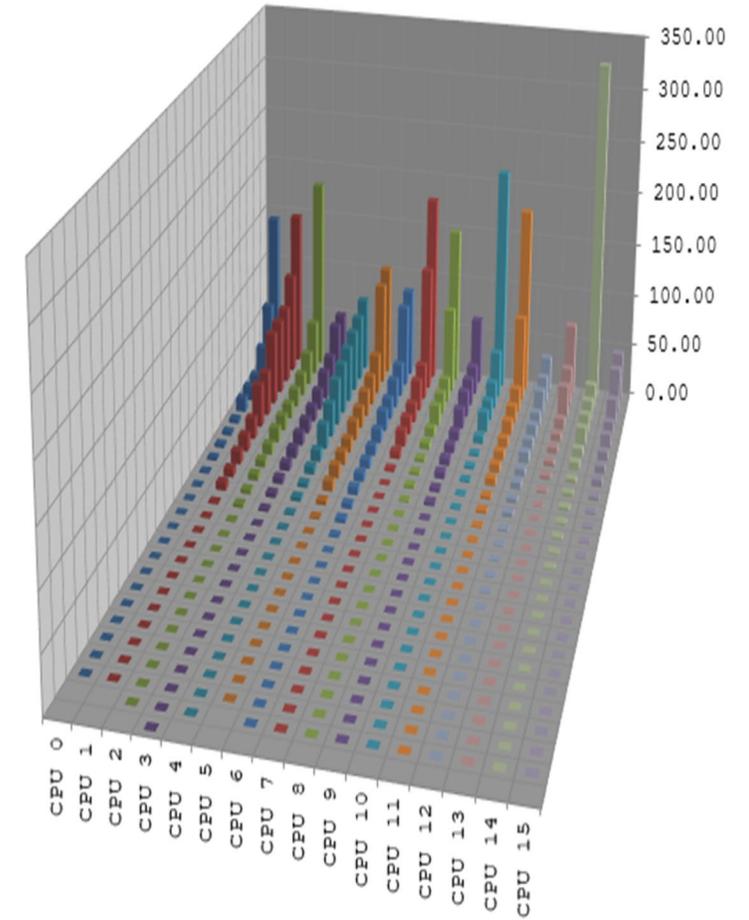
Disk Queue Length Distribution



Disk Process CPU Utilization Distribution



Disk I/O Rate Distribution



Dynamic Data Driven

- Effortlessly integrate new data
- No ceiling; grow as needed
- Create and distribute as many reports as needed
- Data is kept for years
- Remote / Local Analyst knows your system better than you do!

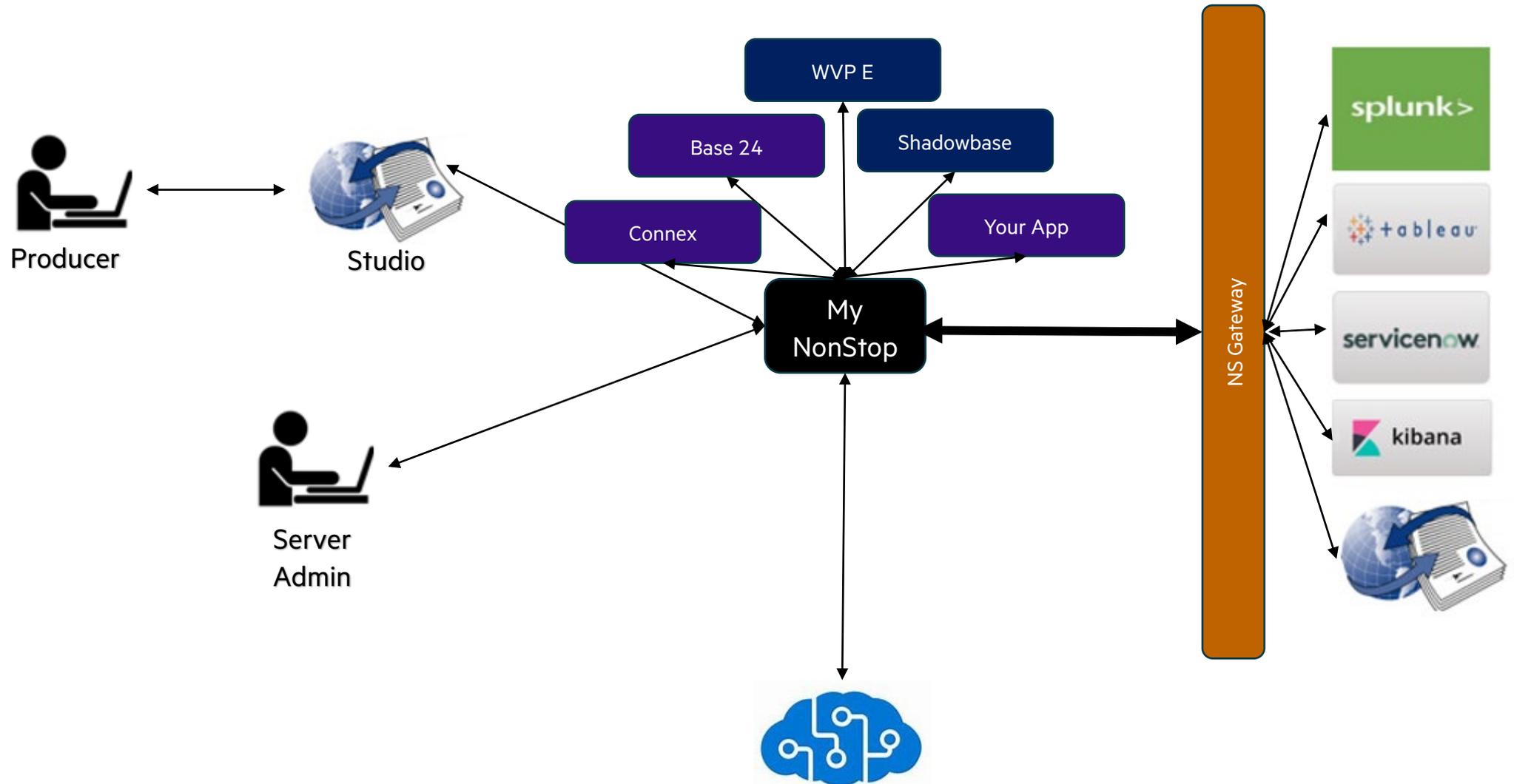


In Short

- Be proactive
- Live is only part of the story
- Do your analytics away from your main business
- Right information to the right people
- Post Release analyses
- Prepare for the new generation



Platform: Open, Extensible, Connected



Out with the Old, In with the New

- The past served us well, but its not where the future lies. We're evolving and it is time our technology evolved with us
- Everyone loses in a deal with old and obsolete products. Does not serve anyone's purpose
- We need to turn to the latest and the best that HPE has to offer – Web ViewPoint Enterprise and Local Analyst



One more thing...



iManAlge

- AI based predictive analytics and automated management solution
- Automatically assess situations, troubleshoot issues, and come up with solutions
- Seek human authorization if necessary and provide directives to WVP E for implementing the chosen solution



Innovations Today and Tomorrow

- Enabling customers with all the features they need in a modern and automated environment
- Preparing NonStop for the new generation
- New Engineers can now do more in less time
- Total cost of ownership is significantly reduced
- Our customers can retain their employees longer as they are satisfied that their work fits within their career plans



Innovations Today and Tomorrow

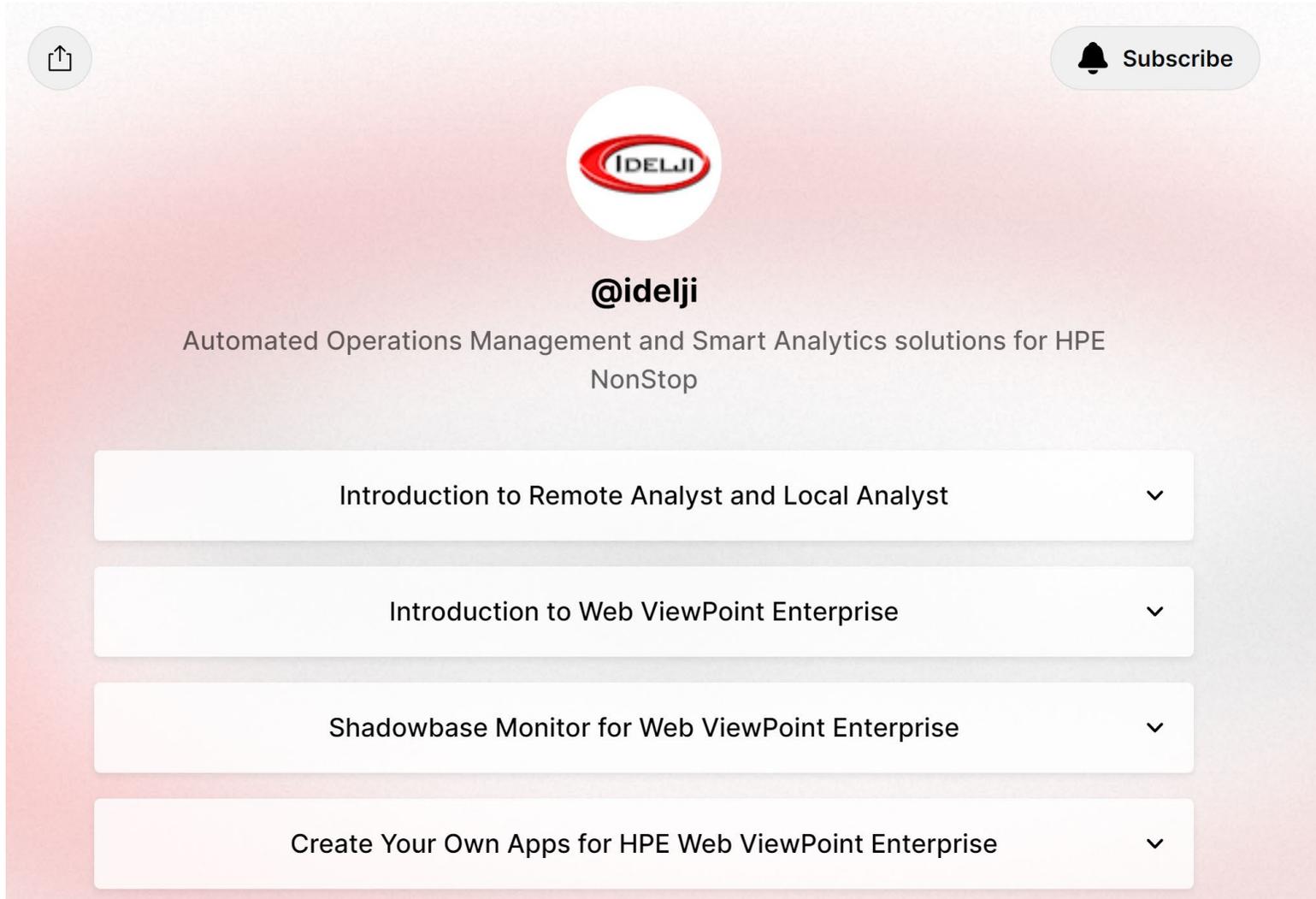
- Researching and coding Artificial Intelligence Logics
- Continuous predictive analytics
- Knowing when exceptions happen and automatically identify their cause
- Determine what needs to be done to alleviate the issue
- Take action to fix the problem, with or without human intervention (customer choice)
- Do all the above in seconds, not hours and days. Imagine the possibilities!



Experience the Future



Experience the Future



The image shows a screenshot of an Instagram profile for the account @idelji. The profile picture is a circular logo with the word "IDELJI" in red and black. The bio reads "Automated Operations Management and Smart Analytics solutions for HPE NonStop". There are four posts visible, each with a white background and a dropdown arrow on the right:

- Introduction to Remote Analyst and Local Analyst
- Introduction to Web ViewPoint Enterprise
- Shadowbase Monitor for Web ViewPoint Enterprise
- Create Your Own Apps for HPE Web ViewPoint Enterprise

At the top left of the profile is a share icon, and at the top right is a "Subscribe" button with a bell icon.



Experience the Future

The screenshot displays a mobile application interface. At the top, there is a header bar with a share icon on the left, the Idelji logo in the center, and a notification bell icon on the right. Below the header, there is a menu with two items: "Introduction to Web ViewPoint Enterprise" and "Shadowbase Monitor for Web ViewPoint Enterprise", each with a downward arrow. The main content area features a video player. The video shows a woman in a light blue shirt speaking. The video title is "Create Your Own Apps for HPE Web ViewPoint Enterprise". The Idelji logo is visible in the top right corner of the video frame. The video player controls at the bottom include a play button, a progress bar showing 00:04, a volume icon, a closed captions icon, a settings gear, a full screen icon, and the Vimeo logo. A close button (X) is located at the bottom center of the application window.

Experience the Future



Thank you

vedantshrivastava@idelji.com

