PROVisioning: *Excellence in Data*

We are all about data … your data!

From Replication to distribution, integration and transformation;
NTI is putting data first!

Richard K Buckle
Cofounder and CEO
Pyalla Technologies, LLC

Introduction: Richard Buckle

Pyalla Technologies, LLC

2009 – present

30 years of experience with the NonStop platform:

Tandem Computers 1988 - 1996
Insession / ACI Worldwide 1996 - 2006
GoldenGate 2006 - 2009

NonStop *ITUG* volunteer:

ITUG Board 2000 - 2005
ITUG Chairman 2004 - 2005

IBM Mainframe *SHARE* volunteer

Director Marketing 2007 - 2008

Feature writer, commentator, blogger and technology influencer

Introduction: Margo Holen

Pyalla Technologies, LLC

2009 – present

30 years of experience with the NonStop platform:

Tandem Computers 1983-1998
Insession / ACI Worldwide 1998 - 2006
XYPRO 2006 – 2011
NonStop Insider Digital Publication
2016 – Present (entering 5th year)

NonStop *ITUG* volunteer:

ITUG Board 2006 - 2008
(Summit Chair / Program Chair 2 yrs)
ITUG Vice-Chairman 2007 - 2008

Connect volunteer

Vice President - 2008

Magazine Editor, blogger and commentator, managerial consultant

Topics

DR*Net*® "Sweet Spot"

New Opportunity … Age of Insight

Differentiation

Positioning for 2021 … and beyond

How did we get here?

Replicating data opens doors ….

35-year-old Privately Held Company

First to introduce Change Data Capture (CDC) at source

Development and Support Offices in USA and Ireland

Direct Support

More Firsts for NTI with DR*Net*®

Replicating data; a new beginning

First partner to market

Pioneered NonStop data protection through data replication

Pioneered competitive third-party solutions

Pioneered use of replication in support of integration, transformation and distribution

Vision: It's all about the data

"Every time data is moved it creates challenges: How does IT manage data-everywhere scenarios?

- Gartner as reported in Network World, Oct 21, 2019

"Data used to be the cost. Now it's the most interesting potential."

- Kirk Bresniker,
Chief Architect HPE Labs, HPE Fellow

"We at NonStop create data"

- Jeff Kyle,
VP Mission Critical Systems HPE

Turning data into actionable insights …

How NTI found the data sweet spot?

Starting with a focus on Data!

Anchored by data replication, DR*Net*® supports multiple replication models:

Hot Backup, Active-Active, RDF replacement

"One stop shopping for TMF / non-TMF"

Complemented by data integration, transformation and distribution

To / From NonStop – in real time,

Feeding data created on NonStop to BI!

Facilitated with non-transactional File Synchronization (FS - FileSync)

Assisted by incredibly fast DB FS Compare / FS Repair (FSC / FSR)

How NTI created opportunity?

Continuing by turning data into information and information into opportunity

(Business leaders) could have access to huge amounts of data, but struggle to turn it into meaningful and actionable insight.

Often, this is due to the lack of capability in legacy systems, the poor quality of underlying data or the 'siloed' storage of that data across different sources, making it difficult to bring data together consistently.

PWC Blog Jan 22, 2020

How NTI contributes to insight?

Feeding business analytics in real time

Business transactions **as they occur are fed to a real-time BI** system that maintains the current state of the enterprise.

The result is **Real-time business intelligence (RTBI)**

… also provides real-time tactical support to **drive enterprise actions that respond immediately** to events as they occur.

Wikipedia: Real-time business intelligence

HPE: Real Time Rules!

Excellence in Data: delivering information, providing insight

2019: HPE announces edge is now intelligent edge!

The Intelligent Edge is all about "now." What is happening "now" with your customers, employees, and assets.

HPE CEO
Antonio Neri
HPE Discover 2019 Keynote

HPE: Real Time Rules!

Excellence in Data: delivering information, providing insight

2020: Data on intelligent edge will unlock information!

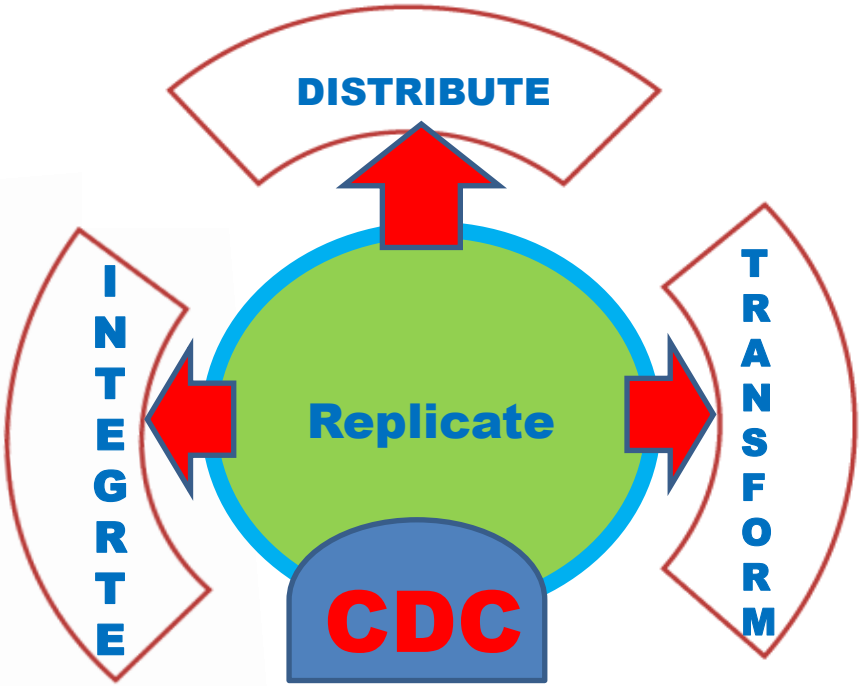
I believe we are nearing the end of the information era; today we are entering the age of insight.

The focus is to build an edge to cloud platform that connects, protects, analyzes and acts on all of your data (and) unlocks your enterprise's full potential.

HPE CEO
Antonio Neri
2020 HPE Discover Virtual Experience

NTI has gone "Pro"

With DRNet® one model, one technology, one product providing single source solution



Replicate

for Business Continuity

Distribute

for Business Cooperation

Integrate

for Business Insight

Transform

for Business Opportunity

NTI: Replicate to popular DBs

Business today is hybrid, core to edge and virtual

DRNet® /OPEN collects database updates from NonStop Servers, uses our messaging middleware to replicate data to other platforms, including Windows®, Unix®, and Linux®.

DR*Net*® and **DR*Net* /OPEN®** together replicates to any mix of -

- Oracle
- MS SQL Server
- MYSQL
- IBM DB2
- Sybase

NTI: Replicate via DR*Net* / Vision®

Business today is hybrid, core to edge and virtual

DR*NET* / VISION® : Extending our proven Change Data Capture (CDC) architecture

Turns silo-ed data into actionable insights

Integrates any JDBC compliant database

Integrates any JSON data consumer –

e.g. Splunk>, ELK and Kafka

Enriches data given to data analytics

NTI: Replicate to other applications!

Support of JSON introduced in 2019

DR*Net* / Vision ® for splunk>
(Hadoop, Kafka, etc.)

Replicate Nonstop data and metadata

Co-exist with all major replication solutions

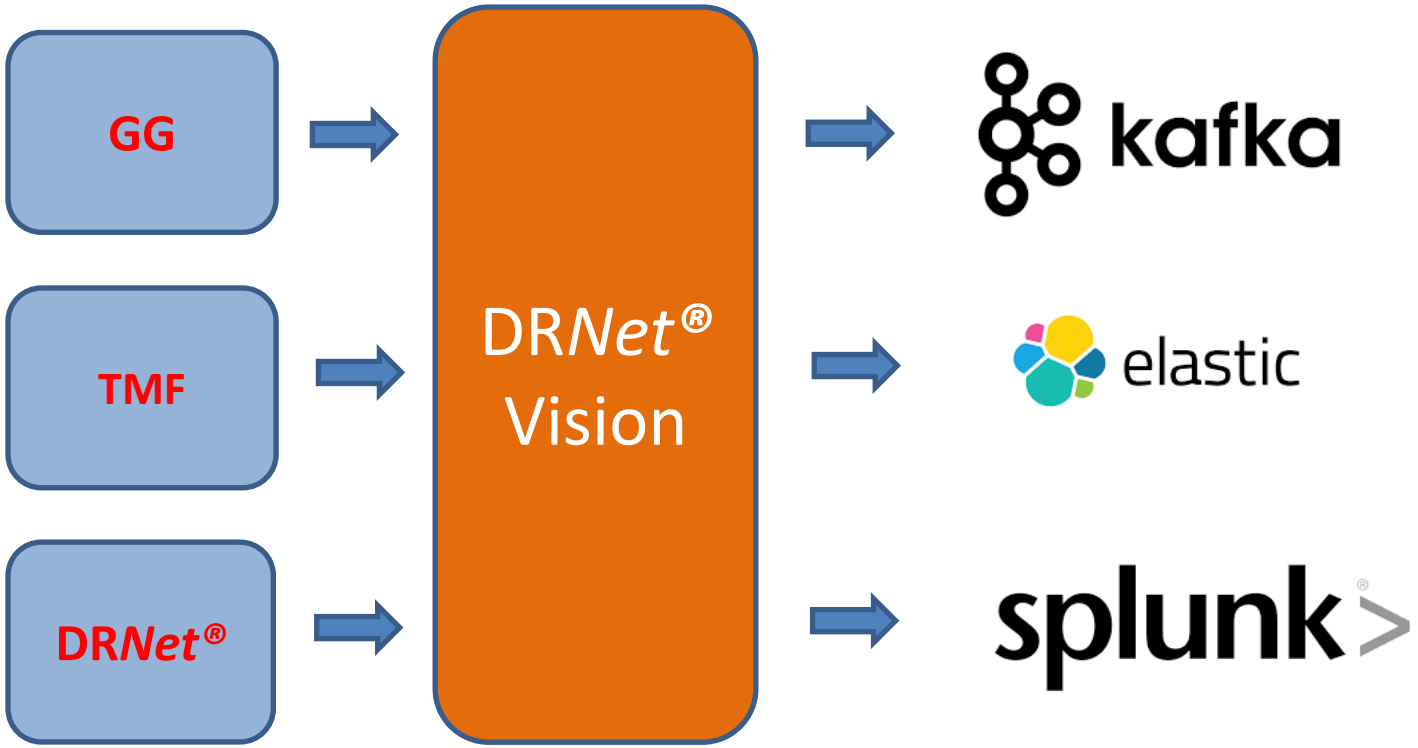
Payment Application Agnostic

Demo and POC available

Turns machine data into answers

NTI: Replicate to other applications!

Delivering NonStop data to Kafka, Elastic, Splunk, Hadoop, and more …



NTI: Replicate to other applications!

Delivering NonStop data to Kafka, Elastic, Splunk, Hadoop, and more …

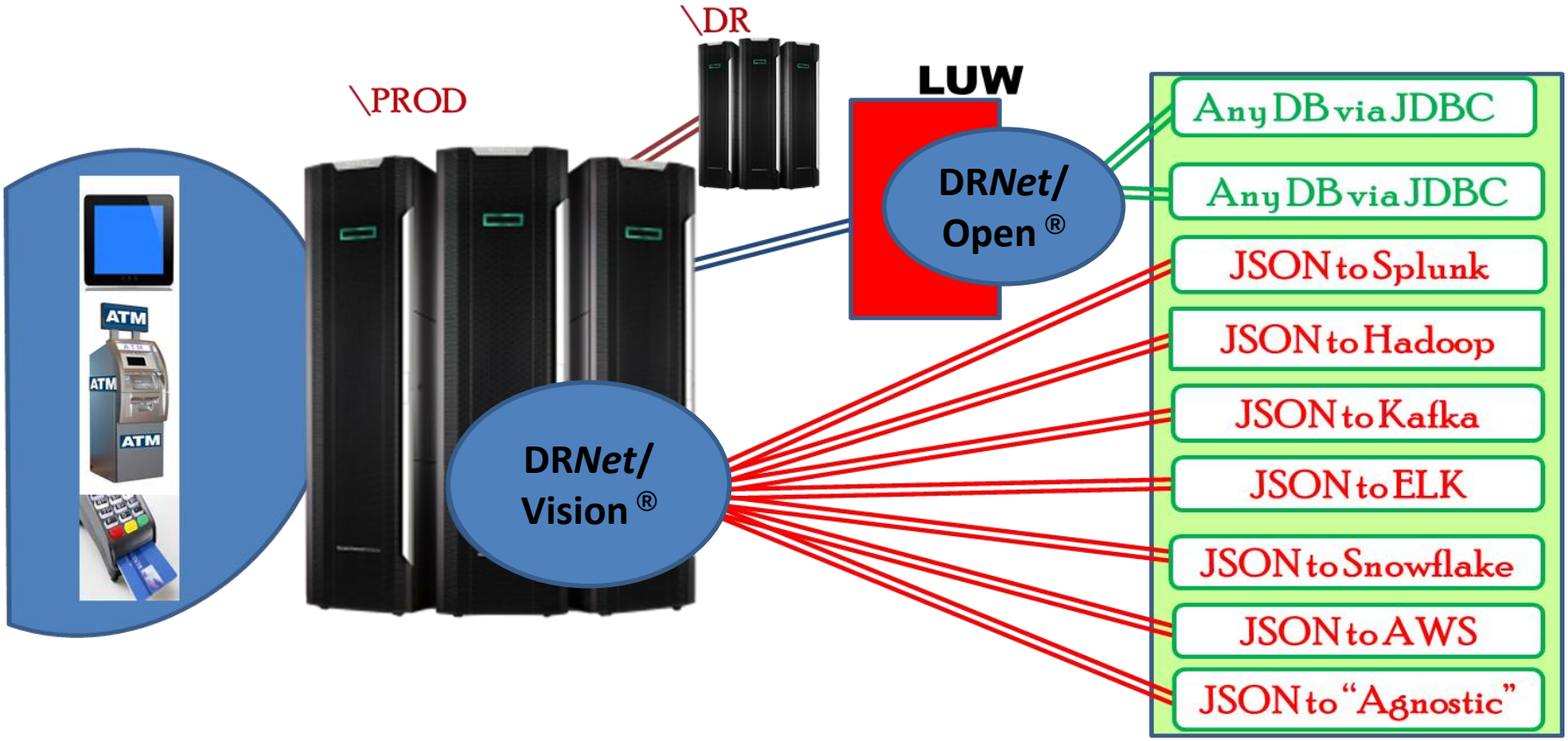
GG → Where it's non-TMF data and GoldenGate is in use, **DR*NET* / VISION®** will intercept the I/Os of the GoldenGate replicats …

TMF → For TMF protected data including RDF, **DR*NET* / VISION®** runs in parallel; coexists with RDF and Shadowbase …

DR*Net*® Vision

NTI: Age of Replication, Everywhere!

DR*Net*® - *comprehensive deployment options*



NTI: DR*Net* / Vision® PoCs

Late breaking news:

In Test: European user coexisting with NonStop RDF

In Test: US user coexisting with GoldenGate

Roadmaps: 2021 and beyond

NTI: Preparing for Everything as a Service (XaaS)

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HPE Going Everything-as-a-Service by 2022

JUNE 19, 2019

Hardware vendor touts fast-growing GreenLake services program and channel as catalyst for transition

Channelnomics Staff

Hewlett-Packard Enterprise (HPE) upped the ante on its traditional hardware competitors and cloud rivals by announcing it will transition to an Everything-as-a-Service sales model by 2022, building off the success of its fast-growing GreenLake program. The transition will change the way HPE's direct and channel partners work with customers while creating persistent recurring revenue for all parties in the go-to-market chain.

"HPE is bringing the full GreenLake Cloud experience to HPE.com, where customers can price and try the various services -from disaster recovery / backup to private cloud - then buy from an HPE partner.

"The 'point-and-click, self-serve simplicity' is empowering developers, data scientists and lines of business to create solutions that 'delight customers.'"

2020 HPE Discover Virtual Experience

Taking the lead with XaaS

GreenLake Cloud experience extending to NonStop

First Partner to order multiple vNonStops

Investing/Building backbone

Developing Go-To-Market Strategy

Preparing variable capacity licensing

… soliciting feedback

To better address need for insight

PROVisioning … opening new era with DRNet / Vision ®

Going Pro?

It means coming to your aid as the industry transforms to Hybrid IT!

It means giving you more ways to leverage* DRNet®*!

It means a future where you can opt to consume every iteration of* DRNet® *your way!

Delivering on commitments of 2019!

In 2020, built on rock-solid NTI Core Technology: DRNet® & FileSync and delivered!

Added JDBC Collectors back to NonStop
Added DR*Net*/Vision® for BI/Warehouses
Added Support for vNS
Added vNSaaS backbone
Added many new Logos!
Added Fast Backup and Restore (TANDSoft)
Added FS Compare / FS Repair (TANDSoft)

Questions?

THANK YOU!

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