



DRNet[®] OPEN for Hybrid IT



Richard Buckle
CEO and Cofounder
Pyalla Technologies, LLC

Richard Buckle – the speaker



Blogger, commentator, analyst ...

30 years of experience with the NonStop platform:

Tandem Computers 1988 - 1996

Insession / ACI Worldwide 1996 - 2006

GoldenGate 2006 - 2009

Pyalla Technologies 2009 - present

ITUG volunteer

ITUG Board 2000 - 2003

ITUG Chairman 2004 - 2005

SHARE volunteer

Director Marketing 2007 - 2008



NTI – the company



30 year old Privately Held
Company

Inventors of NonStop
Data Protection
for the NonStop

Development and Support
Offices in USA and Ireland



GTUG – the Agenda



HPE and Hybrid IT

- NonStop's active role

DRNet[®] and DRNet/Open[®]

- NTI's active support

Replication and Integration

- Customer's active deployment

HPE ~ vision

Simplifying Hybrid IT



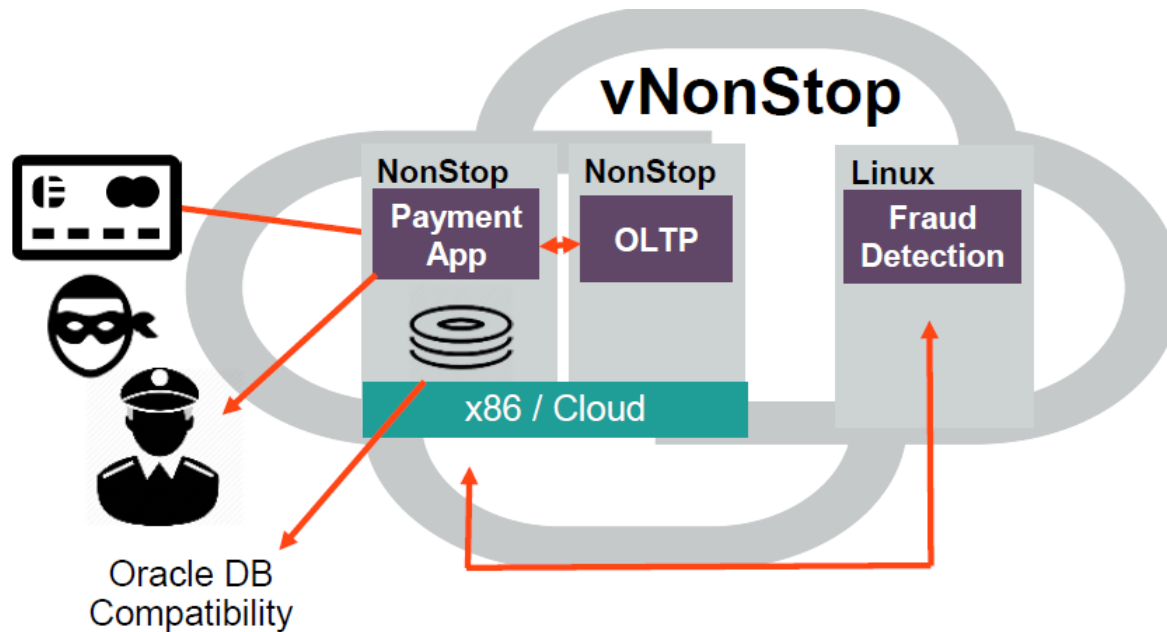
From the
Idea Economy (2015)
and disruption to
Hybrid IT (2017)
and simplification



Hybrid IT - one potential solution featuring NonStop

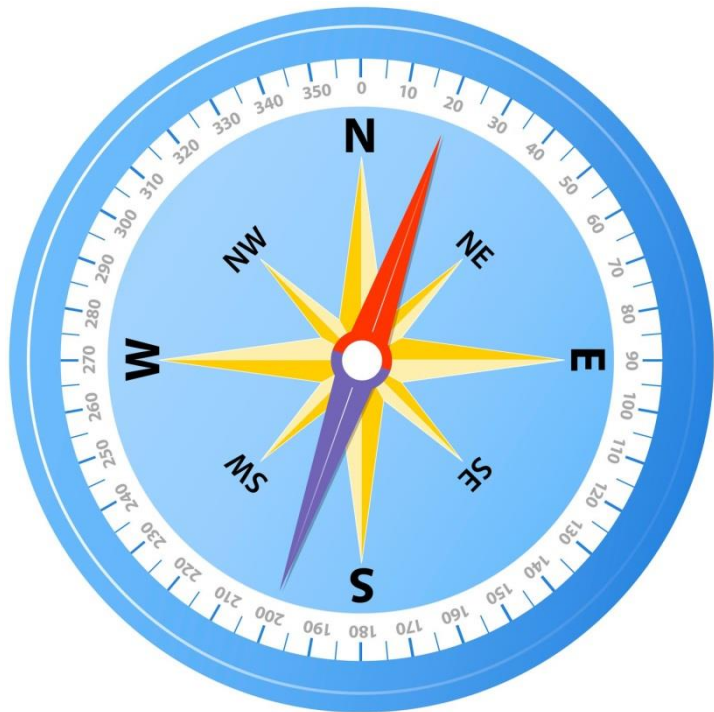


Quickly and efficiently adding new business services
- virtualizing mission critical software



Hybrid IT ~ relevance and value

Achieving best TCO & ROI



The benefits of moving to a hybrid cloud include **faster time to market**, **better TCO**, optimized performance, scalability, and improved control, transparency and compliance.

In fact, the benefits of the hybrid cloud are so powerful, the question isn't whether it's good for your customers. Instead, it's a question of *how quickly* you can get them there.

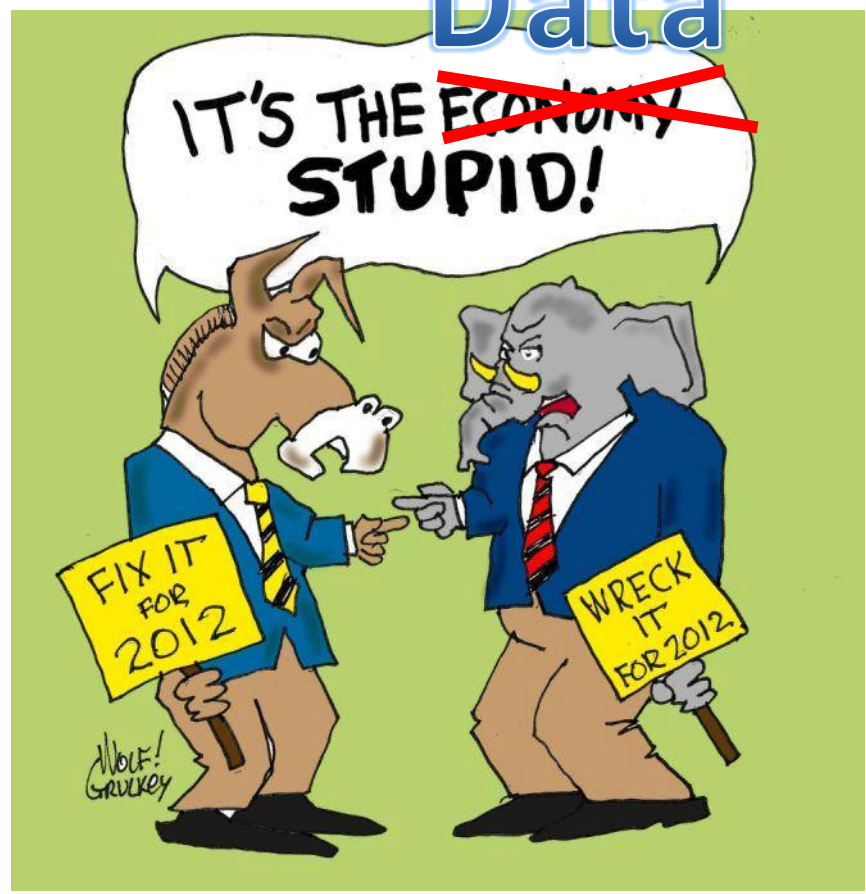
Techproviderzone: Get customers moving to the hybrid cloud

<https://www.techproviderzone.com/cloud-and-data-centers/get-customers-moving-to-the-hybrid-cloud>

Hybrid IT – “Transforming to address a changing landscape!”



Data



“Data becomes the center of the universe!”

Randy Meyer
VP & GM MCS HPE
GTUG May, 14, 2018

Hybrid IT – data: That Precious Resource!



“Data is the new oil.
Payment(s) is the well.”

– Richard Crone of Crone Consulting

... transactional data is just one piece of the picture – it needs to be integrated with data warehouses, data lakes and other related technologies supporting today's business analytics processing.

DRNet[®] is the best solution if you really want to strike oil when looking at all the data you acquire with your payments solution!



DRNET – THE FABRIC FOR HYBRID IT (APRIL 27, 2018, BLOG POSTING)

<https://nti-drnet.blogspot.com/2018/04/digging-for-oil-drnet-is-helping.html>

DRNet[®] – replicating in support of Hybrid IT



Featuring Change Data Capture (CDC) implementation

Moving data with DRNet[®]

Traditional Approach

e.g. NonStop I to NonStop X

Hybrid Approach

e.g. NonStop X to vNonStop



DRNet[®] with DRNet/OPEN[®] ~ supporting Open Systems and Clouds



Data Centers are installing comprehensive mixed platform data sharing topologies and NonStop users are part of this topology

DRNet/OPEN
NonStop to OPEN
Database Replication

DRNet[®] and DRNet/OPEN[®] together replicate to any mix of Oracle, MS SQL_Server, MYSQL, IBM DB2 Sybase



Any JDBC compliant implementation running on supported open platforms

DRNet[®] with DRNet/OPEN[®] - pushing data where it's needed!



LinkedIn blog Pulse

Published on February 28, 2018

NTI embraces NonStop and hybrid IT with DRNet/OPEN[®]

"There are customers running hot backup or active / active between HPE NonStop systems who also desire to push data downstream to a JDBC-compliant database such as IBM's DB2, Microsoft's SQL Server and Oracle.

And then we have DRNet[®] customers who remain NonStop RDF users that - only want to push data off NonStop.

In both cases, they buy DRNet/OPEN[®]."

Tim Dunne, Senior Vice President, Worldwide Sales, NTI

DRNet[®] - disaster avoidance cost of outages



Randgroup: Cost of downtime

<https://www.randgroup.com/insights/cost-of-business-downtime>

98% of organizations say a single hour of downtime costs over \$100,000

81% of respondents indicated that 60 minutes of downtime costs their business over \$300,000

33% of those enterprises reported that one hour of downtime costs their firms \$1-5 million

NYSE glitch forces Amazon and Alphabet traders elsewhere

APRIL 25, 2018

REUTERS

In March, the NYSE and two of its affiliate exchanges were fined \$14 million by the U.S. Securities and Exchange Commission, partly in response to a nearly four-hour trading halt in July 2015 that was the result of a flawed software roll out.

DRNet[®] – “integrating” addressing data movement!



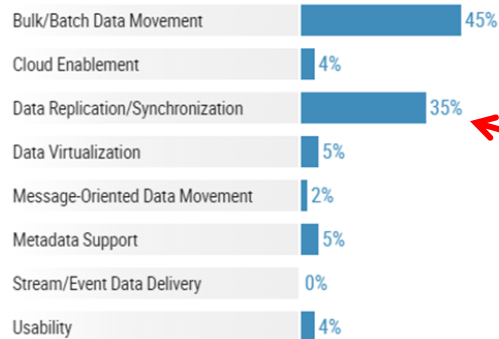
According to Gartner:

Data or System Migrations and Consolidations

(as of Aug 2017)

Data integration tools increasingly address the data movement and transformation needs of data migration and consolidation, such as the replacement of legacy applications.

Capabilities and Weightings CUSTOMIZE



Data Integration
tools addressing
Data Movement!

DRNet[®] – “integrating” stepping up to data integration!



Data replication as the name implies, is used to create copies – locally and remotely – in support of data avoidance. ...

... data integration leverages replication processes as it breaks down traditional information silos with the target being a data warehouse, data lake – wherever data is accumulated in support of post-processing including data analytics.



DRNet[®] – “integrating” preparing support for analytics!



DRNet[®] – Data Resource Network
... continuing to capitalize on CDC

Before any analytics can be performed, all the data needs to be collected, sanitized and loaded into an accessible “data lake;”

DRNet[®] will play an important role in ensuring data from NonStop makes it to where access by analytics is required!



DRNet[®] – “integrating” eliminating downtime!



Panning for gold, drilling for oil – striking it rich!
With DRNet[®], NTI customers are finding the high-quality data
that will help grow their business.

“We all know how expensive downtime can be
and how important replication is to avoiding
downtime but almost every NonStop user is
being drawn into discussions concerning better
integration of the data found on NonStop.

“...isn't it good to know that the products you
have grown to trust through the years from
NTI can also meet your integration needs just
as they have your need to replicate?”



NonStop Insider
May, 2018

NTI – Creating business value



DRNet[®] covers all NonStop platforms (K, S, NS, NB, Xbox)

Work with any application, without changes

DRNet[®] covers the entire file system

(Enscribe, TMF, SQL/MP, SQL/MX):

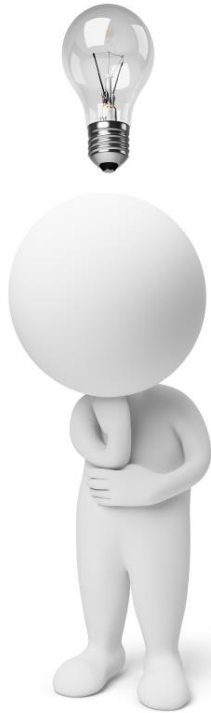
Replicate to ANY OPEN DATABASE

using DRNet/OPEN[®]

Replicate full Active/Active



NTI – Exploring the business case



Our expert Engineering staff is available at all times to assist with implementation, troubleshooting, and data transformations.

We are not in the Professional Services business and we will never charge you a fee for assistance.

Implementation Simplified: services are included as a standard part of our 7x24 Maintenance Services.

NTI and HPE - Cooperating for 25 years!



HPE/Tandem Alliance
Partner since 1993





Thank You

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