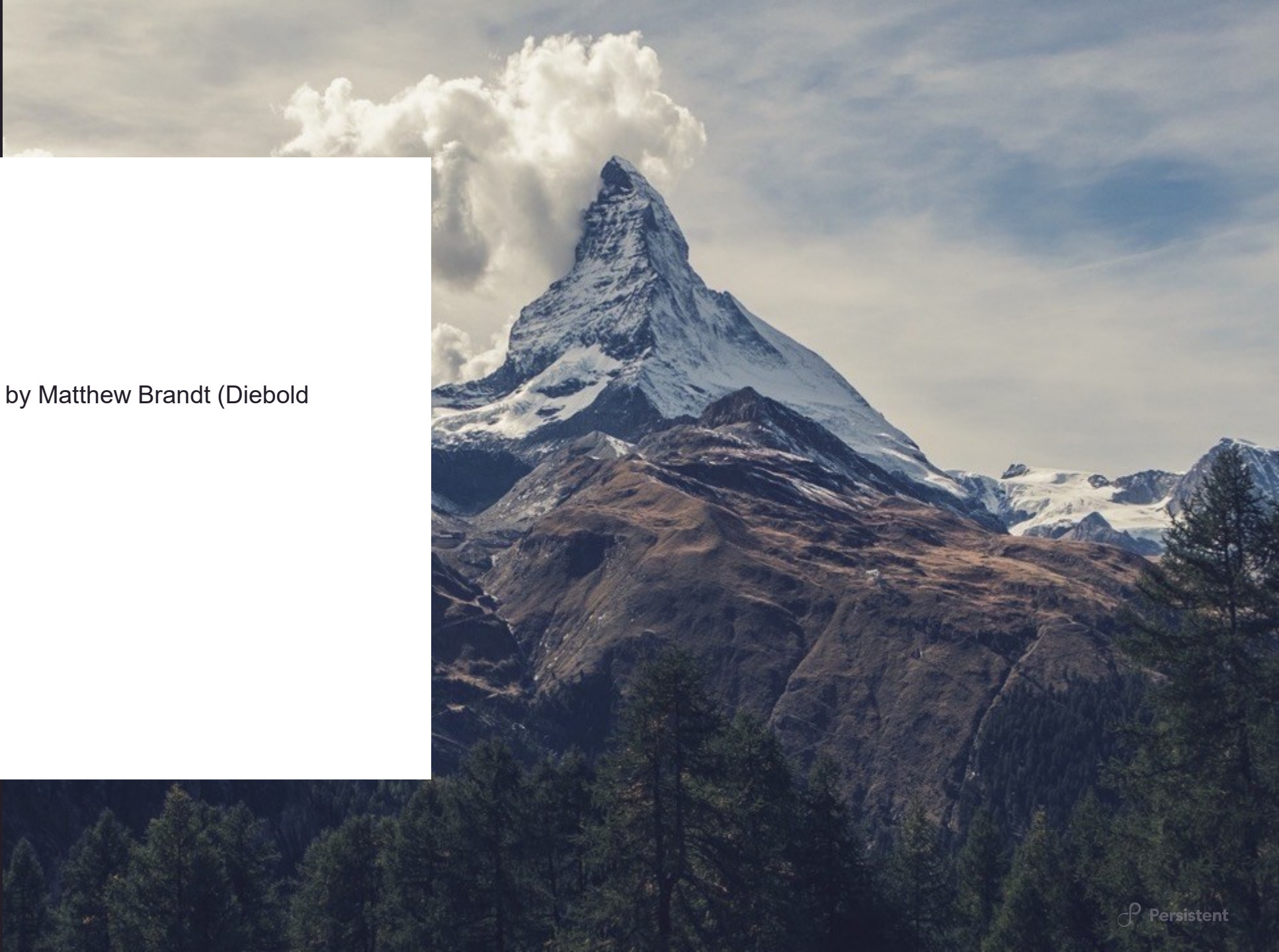**Persistent**

WELCOME TO

USER GROUP MEETING

Digital Device Management

6th April 2022

Agenda

1. Open Discussion Forum

2. Customizing Connect Timers by Matthew Brandt (Diebold Nixdorf)

3. Q&A/Feedback

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Digital Device Management User Group - Organizer

Diebold Nixdorf

1st
Largest Provider of ATMs/PoS (Point of Sale)

1500+
Customers

23,000
employees

$2.7 B
Total business

500,000+
Endpoints under service

200,000+
Endpoint under Managed Services

Aaron Carl

Manager Information Technology | Managed Services

Diebold Nixdorf

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Launching

We Connect User Group

100k+	2013	50+
Users	Since	Countries

- **In-Person User Group Summits**
- **Product User Group Meeting every month**
- **Common User Group Meeting bi-yearly**
- **Webinars, Live Events, Panel discussions**

Product UGM

Digital Device Management

Radia Endpoint Management OTA, IoT Security

Cloud Orchestration Management

Rovius, MultiCloud, Disaster Recovery, Migration Cyber Resilience

API Monetization Management

Aepona Marketplace

Be the Champion of Community

Bolstering Our Community
Boosting engagement, visibility and a sense of belonging

Experience   **Contribute**   **Grow**

INFLUENCE & EXPRESS

Community DNA

- **Connect**
- **Learn**
- **Share**
- **Collaborate**

Perks

News
Market
Releases
Early Access

STAY UP-TO-DATE

Innovate
Showcase
New Ideas
Best Practices

PARTICIPATE

Build
Network
Advocate
Feedback

OPEN FORUM

- APAC
- EMEA
- AM
- JK

User Experience

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Product User Testimonial

Diebold Nixdorf

1ˢᵗ Largest Provider of ATMs/ PoS (Point of Sale)	**1500+** Customers
23,000 employees	**$2.7 B** Total business
500,000+ Endpoints under service	**200,000+** Endpoint under Managed Services

Matthew R Brandt

Senior System Engineer

Diebold Nixdorf

Topic: Customizing Connect Timers

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Customizing Connect Timers

Matthew Brandt| Wednesday April 6, 2022

Today's Agenda

1. Original DN Timer

2. Connect and Timer Flexibility

3. Solution

4. Q&A

Original DN Timer

3 distinct overnight timers

AUDIT ➡ PATCH ➡ SOFTWARE

Overlapping

    Additional Heaps created

    Reboots cause issues

    Long connects cause issues

No good Stop time resulting in connects during the day

Public

Connect and Timer Flexibility – New Approach

Timer

Timer Schedule = ZTIMEQ.ZSCHDEF
Command Line = ZTIMEQ.ZRSCCMDL

Scheduling class DBD_DAILY_TIMER Instance Attributes:

Name	Attribute Description	Value
ZOBJPRI	Priority [00-99]	90
ZSTOP	Stop Expression	
ZSCHMODE	Timer Owner [MANAGER/DEFAULT]	DEFAULT
ZSCHDEF	Timer Parameter	DAILY(&ZSYSDATE,00:00:00,02:00:00,02:30:00)
ZSCHTYPE	Type [IMMEDIATE/DEFERRED]	DEFERRED
ZSCHFREQ	Frequency [PERIODIC/ONCE/RANDOM]	RANDOM
ZRSCCMDL	Command line to execute	radrexxw.exe DIEBOLD_CONNECT.rex SOFTWARE TIMER

Connect Flexibility

CLIENT.SETTINGS
EXBEXIT
Radskman Parameter JOBID

Core Settings class DN Core Settings Instance Attributes:

Name	Attribute Description	Value
EXASETUP	Post Config Resolution Script	
CMETHOD	Post Catalog Script	
EXBOUTBX	Pre Outbox Script	
EXBEXIT	Post Connection Script	EXBEXIT.REX
TIMEOUT	Communications Timeout (0-3200)s	

Public

Connect and Timer Flexibility – New Approach

EXBEXIT.REX

EXBEXIT Timer Creation Code

    - Triggered by

        RADPARMS.JOBID = "Timer"

TimerCommand = Patch Connect Parameters

          Audit Connect Parameters

    - Triggered by

        PREFACE.ZDOMNAME

ExecuteTime = Current Day and time + 5 Mins

```
CREATETIMER:
/*****************************************************
/* Create Timer to complete New Deployment connects.
/*****************************************************

rc = radget('ZTIMEQ','IDMROOT')
rc = edmadd('ZTIMEQ')

ZTIMEQ.NETAVAIL = 'N'
ZTIMEQ.RETRYFLG = 'N'
ZTIMEQ.RETRYINT = '30'
ZTIMEQ.RETRYLMT = '0'
ZTIMEQ.REQUEST  = TimerRequest
ZTIMEQ.RUNSYNC  = 'Y'
ZTIMEQ.RETRYRC  = ''
ZTIMEQ.ZCHNNAME = 'SOFTWARE'
ZTIMEQ.ZCREATE  = 'radtimeq'
ZTIMEQ.ZDELETE  = 'radtimeq'
ZTIMEQ.ZMODE    = 'create'
ZTIMEQ.ZNOPING  = 'N'
ZTIMEQ.ZOBJCID  = 'D0017C0C9251'
ZTIMEQ.ZOBJCLAS = 'TIMER'
ZTIMEQ.ZOBJCRC  = '00000000'
ZTIMEQ.ZOBJDATE = '19991010'
ZTIMEQ.ZOBJDOMN = 'SOFTWARE'
ZTIMEQ.ZOBJID   = 'D311F135D904'
ZTIMEQ.ZOBJNAME = 'FROMRENAME'
ZTIMEQ.ZOBJPCLS = 'ZSERVICE'
ZTIMEQ.ZOBJPID  = 'D31129867065'
ZTIMEQ.ZOBJPRI  = '90'
ZTIMEQ.ZOBJRCRC = 'FFFFFFFF'
ZTIMEQ.ZOBJRSIZ = '00000000'
ZTIMEQ.ZOBJTIME = '01:23:45'
ZTIMEQ.ZRSCCMDL = TimerCommand
ZTIMEQ.ZSCHDEF  = ExecuteTime
ZTIMEQ.ZSCHFREQ = 'ONCE'
ZTIMEQ.ZOBJMODE = 'DEFAULT'
ZTIMEQ.ZSCHTYPE = 'IMMEDIATE'
```

Solution – New Timer

Software – Random time (Midnight- 2:00am)

Patch - 5 minutes after Software Completion

Audit – 5 minutes after Patch Completion

Public

Questions and Answers

Public

Diebold Nixdorf

Thank You for listening to today's presentation.

Matthew Brandt

Matthew.Brandt@DieboldNixdorf.com

Diebold Nixdorf

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- For any queries or demo requests related to Advanced Patching or any other features contact Anurag_Kumar@persistent.com

- Contact pugm@persistent.com for any enquiries or queries related to User Group Meeting

Question & Answer

Next user group meeting

4ᵗʰ May 2022

Digital Device Management

Centurion – OTA Device Management, Analytics

[Calendar Link](#)

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See Beyond, Rise Above