

**NAV
TECH
DAYS
2017**

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DESKTOP & MOBILE CLIENT ENHANCEMENTS

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WHEN YOU ARE PASSIONATE ABOUT MICROSOFT DYNAMICS NAV | www.navtechdays.com

**NAV
TECH
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Session objectives

At the high
level

**Overview of our
Client technology**

What's
new

**Latest features
and updates**

Under the
hood

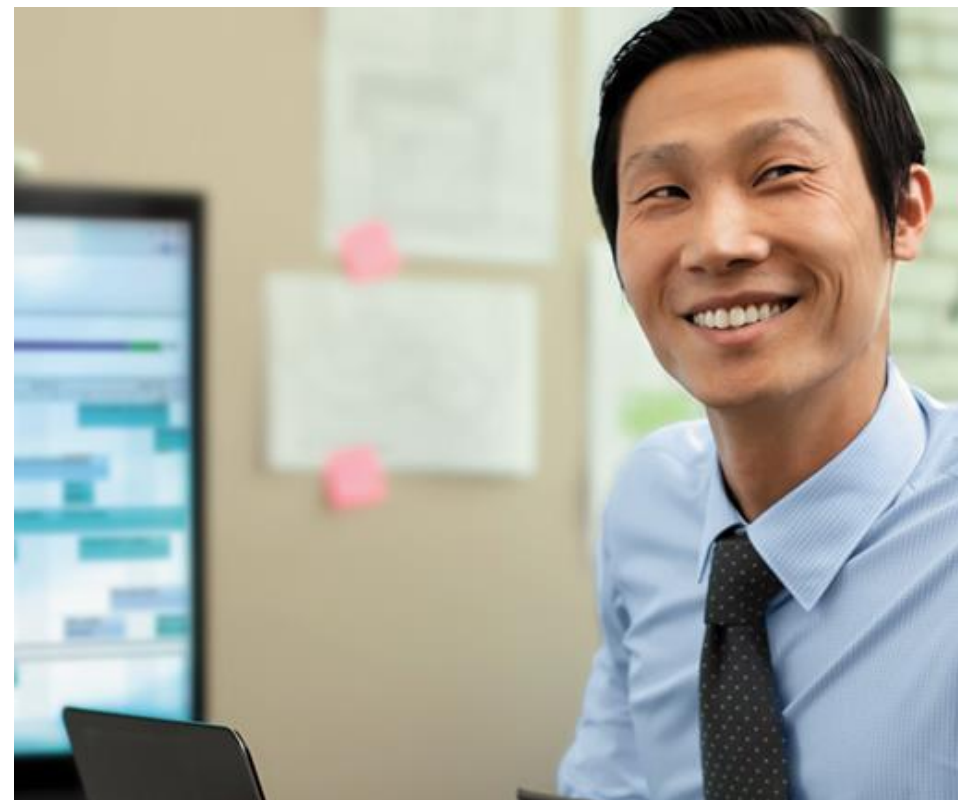
**Architecture and
platform
improvements**

Rounding
up

Q&A

At the high level

Always go where people are



Desktop



Tablet

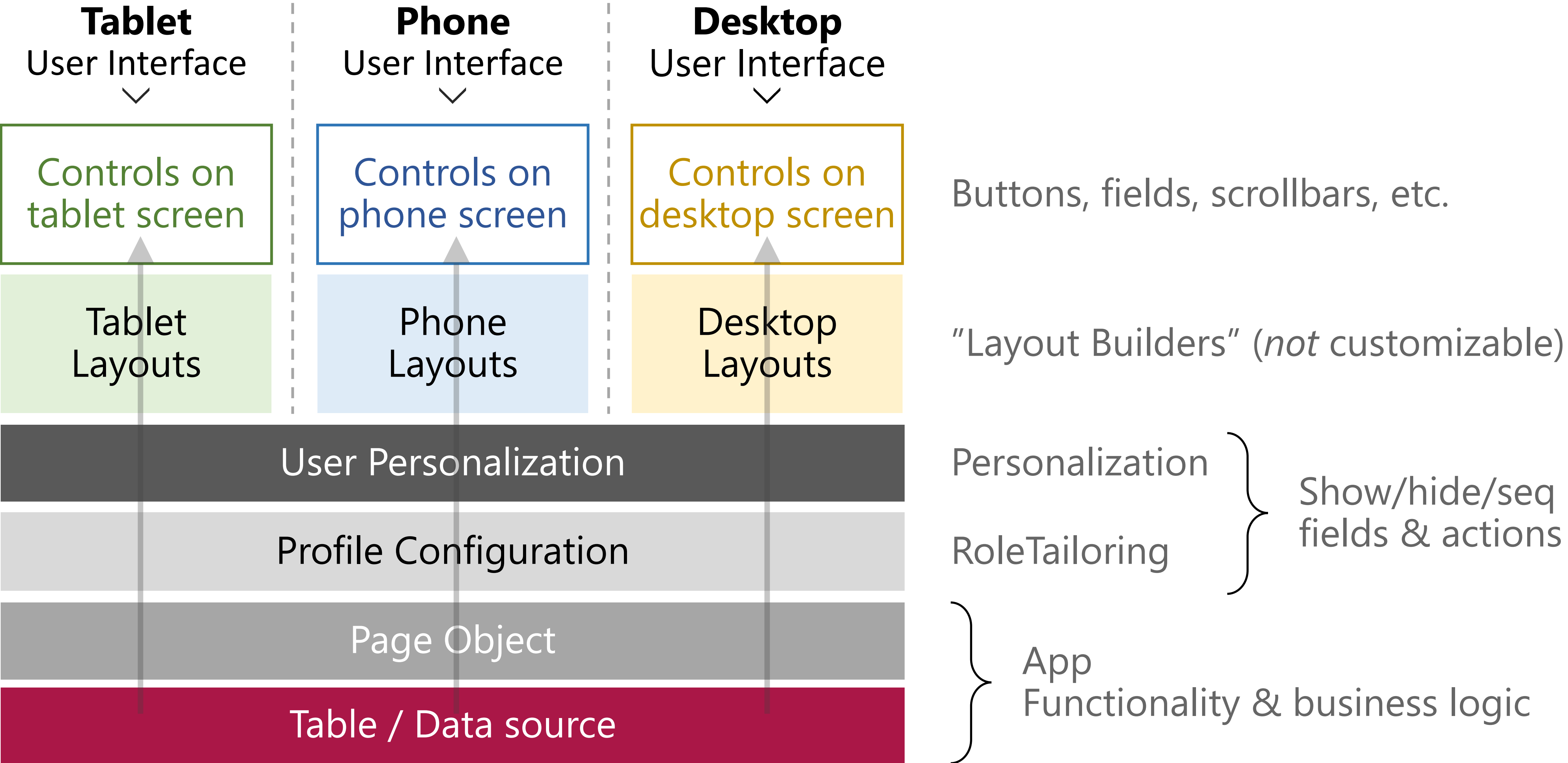


Phone



Mixed reality

Still the *same* app, on *all* devices. How?



What's new

Let's talk about user personalization

- Changing the UI for users, **individually**
- Achieve better fit for each user's tasks and preferences
- Increasing productivity and satisfaction
- We call it: **My app, My way**



My app, my way

DEMO



Personalization summary

My app, my way

Show only the
data I care about

Optimize for
efficient
overviews

Choose preferred
data entry
sequence

Intuitive

Drag & Drop

Hover feedback
indicates where I
can drop

Immediately
experience the
change

Capable

Rich set of
capabilities will
grow with time

In-context,
immersed directly
in the client

Modern

A platform for
great innovation
to come

Personalization on web, the fine print

What we **don't** have currently:

- Parity with what you can personalize in Windows
- Support for personalization created in Windows
- Ability to personalize for others (aka. configuration)
- Personalization authoring on devices or in Outlook
- Different personalizations per device/type



Instantly change company and profile

Changing company and profile

DEMO



Introducing SessionSettings

- New complex A/L type
- Stores the user personalization settings for a session

| | | |
|----------|-----------|------------|
| COMPANY | PROFILEID | LANGUAGEID |
| LOCALEID | TIMEZONE | |

- Simple as INIT, set new values and REQUESTSESSIONUPDATE



ChangeSettings - OnAction()

```
MySettings.INIT;  
MySettings.COMPANY := "My Awesome Company";  
MySettings.REQUESTSESSIONUPDATE(TRUE);
```

```
MySettings.REQUESTSESSIONUPDATE(TRUE);
```


SessionSettings – Summary

- New **SessionSettings** type enables to instantly change the user session settings on all HTML clients
- It is not recommended to run code after calling **REQUESTSESSIONUPDATE**
- **SessionSettings** is a type available in extensions
- Session update is ignored in **OData** and **SOAP** web service calls
- Always call **INIT** before changing settings

Preview your reports
from anywhere

Viewing and printing reports

DEMO



Viewing and printing reports in a browser

- Any report layout (RDLC or Word)
- Full screen and responsive
- Support for custom document page sizes
- Support for pictures and custom fonts
- **No change for Windows Client**



Also on mobile devices

- Report preview and print on supported mobile platforms
- Smooth rendering and intuitive touch controls
- Uncompromised experience while in the office and on the go



View and print reports on mobile devices

DEMO



PDF report viewing in browsers - Summary

Everywhere

All supported
browsers

All supported
mobile platforms

Embedded

Directly in the
client

No need to
download and
install viewer apps

Interactive

Toolbar

Mouse, keyboard

Select, copy text

Hyperlinks

Modern

Innovative
opportunities
going forward

Importing contacts

View and print reports on mobile devices

DEMO



Contacts API

- Quickly import contact details from your device when creating a new customer
- Available as a Client Extension
- Nothing new to learn: same development paradigm



Create a new customer
from a contact in 5 secs.

LIVE CODING



Under the hood

Come behind the scenes

Device clients

Single Page
Architecture

Modern responsive web
apps

Browser side rendering

Scalability

Performance on high
latency networks

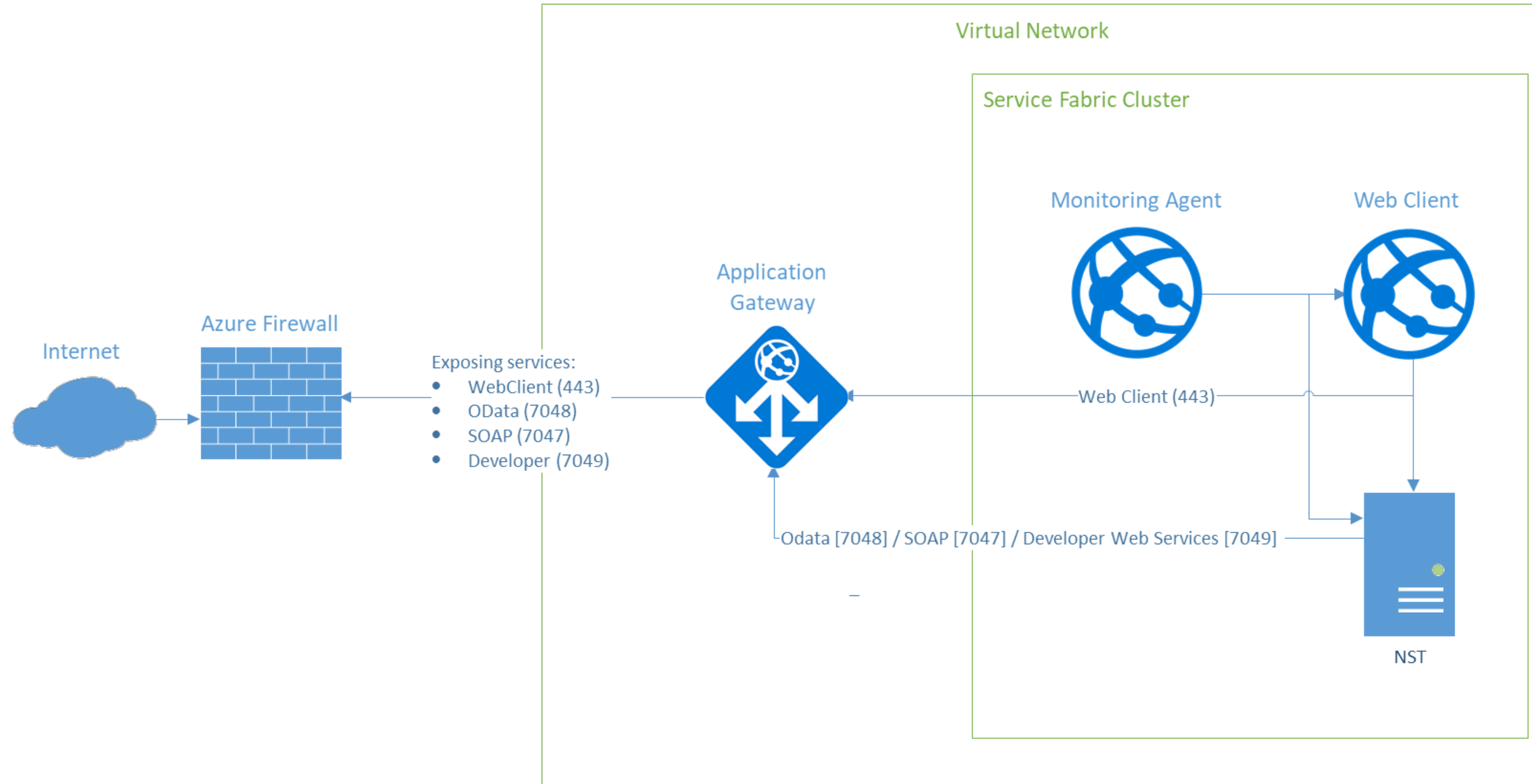
Shifting to micro-services

Azure Service Fabric

ASP.NET Core

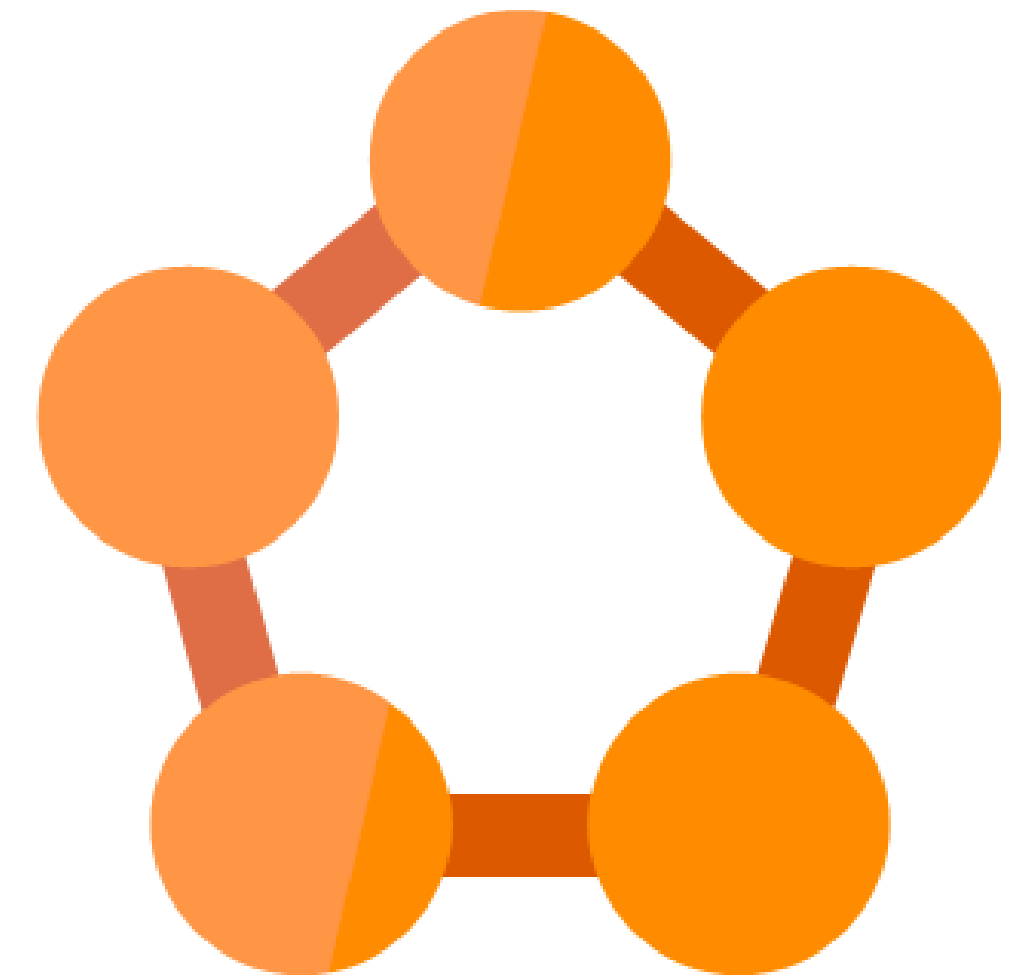


Know your stack in the Cloud



Benefits of the Azure Service Fabric

- Automated upgrades
 - 1 Application Service – 4 min.
 - No downtime while upgrading
- Failure recovery
- Load distribution
- Fast deployment



Benefits of ASP.NET Core

- Seamless transition from on-premise to the cloud
- Supports multiple hosting types
 1. Web listener
 2. Kestrel
 3. IIS
- Cross-platform if only using .NET Core
- Very good performance



ASP.NET Core – On Premise

- No more `web.config`, `aspx` pages
- Settings stored in `NavSettings.json`
- Enhancements in Powershell scripts
 1. Command `New-NavWebServerInstance` can now deploy the site as a root-site/subsite
 2. You can define your site as:
`http://<host-name>/`
 3. Host header feature which allows multiple root sites for the same port
- Available in CTP builds



What's next

At a high level...

Continue on the Micro-Services journey

- Taking advantage of Azure's capabilities to the benefit of partners and customers

Optimizing cloud scenarios for end users

- E.g. a single URL to sign-in screen for every user, not one per tenant. (Aka. fixed web client endpoint)

Next wave of powerful user experiences

- Richer personalization options
- Accessibility and productivity features
- Continued integration with Office 365
- Updating the visual look and feel

UX Refresh

- Modern look & feel
- Targeting web-based clients
 1. Desktop client
 2. Tablet client
 3. Phone client
- Enabling **themes** and achieving higher **customization**



Role Center

Modena 365

Business

Cronus International Ltd. | Sales ▾ Purchasing ▾ Approvals ▾

Opportunities Campaigns Items Assets

Business Manager Edition ▾

SUMMARY

Since yesterday
your sales has increased
with **\$2,756.50**

• • • • •

Activities

SALES THIS MONTH

\$23,876

[> See More](#)

OVERDUE PURCHASE
INVOICE AMOUNT

\$93,422

[> See More](#)

OVERDUE SALES
INVOICE AMOUNT

\$170,024

[> See More](#)

ABOUT ACTIVITIES

Lorem ipsum dolor est nun. Denne tekst er ikke til læsning. Lorem ipsum dolor est nun.

ONGOING SALES

| | | |
|---|---|---|
| QUOTES <div>2</div> + New | ORDERS <div>4</div> + New | INVOICES <div>7</div> + New |
|---|---|---|

ONGOING PURCHASES

| | |
|--|--------------------------------------|
| PURCHASE INVOICES <div>5</div> + New | DUE NEXT WEEK <div>0</div> |
|--|--------------------------------------|

PAYMENTS

| | |
|------------------------------------|--|
| UNPROCESSED <div>4</div> | COLLECTION DAYS/AVG <div>0.0</div> |
|------------------------------------|--|

Business Assistance

Top Five Customers By Sales Value

[> See All \(19\)](#) [+ New Customers](#)

Growth This Year

[> See All](#) [+ New](#)

List Page

Cronus International Ltd. Sales Purchasing Approvals

Customers Quotes Orders Invoices Credit Memos Reminders

All Top 5 Customers International Campaign Top 10 Other

New Customer



| CUSTOMER NAME | CUSTOMER NO. | PHONE NO. | CONTACT | BALANCE (\$) | BALANCE DUE (\$) | SALES (\$) |
|------------------------|--------------|----------------|-------------------|--------------|------------------|------------|
| Studio 37 | 10000 | (888) 444-3452 | Karen Wiener | 0.00 | 0.00 | 214,536.00 |
| Trey Research | 20000 | (846) 114-6542 | Helen Ray | 2,036.60 | 2,036.60 | 48,891.40 |
| Context Group | 30000 | (343) 213-0098 | Clarke Solomon | 53,833.52 | 53,833.52 | 219,809.70 |
| Domus | 40000 | (265) 345-2876 | Dmitry Gorskij | 4,316.92 | 4,316.92 | 66,309.40 |
| Modo Partners | 50000 | (554) 534-5432 | Philipa Ryder | 8,836.80 | 8,836.80 | 83,956.40 |
| Paperlions | 60000 | (499) 822-1119 | John Fassbender | 0.00 | 0.00 | 214,536.00 |
| Social Science Center | 70000 | (523) 112-6142 | Michael K. Wong | 2,036.60 | 2,036.60 | 48,891.40 |
| Fuse One | 80000 | (645) 432-0133 | Kassandra Madsen | 53,833.52 | 53,833.52 | 219,809.70 |
| A&B Infinity | 90000 | (876) 534-6554 | Erik Page | 4,316.92 | 4,316.92 | 66,309.40 |
| Sky Travel | 100000 | (978) 543-7665 | Elisabeth Camden | 8,836.80 | 8,836.80 | 83,956.40 |
| Nielsson & Blue | 110000 | (501) 776-4322 | Charlie Steven | 0.00 | 0.00 | 214,536.00 |
| Polygon World | 120000 | (503) 228-4256 | Ivan Palace | 2,036.60 | 2,036.60 | 48,891.40 |
| Nestify | 130000 | (700) 100-0412 | Philip Dupont | 53,833.52 | 53,833.52 | 219,809.70 |
| Alpine Ski House | 140000 | (281) 296-3735 | Paul Cannon | 4,316.92 | 4,316.92 | 66,309.40 |
| Relecloud | 150000 | (356) 958-0998 | Jesse Homer | 8,836.80 | 8,836.80 | 83,956.40 |
| Change Consultancy | 160000 | (500) 847-2876 | Manuel Evans | 0.00 | 0.00 | 214,536.00 |
| Baxter Bolton | 170000 | (846) 114-6542 | Jasmine Baxter | 2,036.60 | 2,036.60 | 48,891.40 |
| Simpson Markets | 180000 | (726) 149-0466 | Ralph Moore | 53,833.52 | 53,833.52 | 219,809.70 |
| OMG Publishers | 190000 | (281) 296-3735 | Brian Marshall | 4,316.92 | 4,316.92 | 66,309.40 |
| Unify Office Solutions | 200000 | (356) 958-0998 | David Tyler Krogh | 8,836.80 | 8,836.80 | 83,956.40 |

Card Page

Modena 365

Business

Cronus Ir

Customers

AllTop

CUSTOMER N

Trey Research

Alpine Ski Ho

Relecloud

Coho Winery

Litware, Inc.

←


CUSTOMER CARD - EDIT

Relecloud

50000

\$23,876

123,876



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✉ jholmer@relecloud.com
☎ +1-202-555-0167

NOTES:
09-27-2017
Important!!! Always check data migration status (should be up to date) before acting on forecasts. Important!!! Always check data migration status...
[See All](#)

SELL - TO CUSTOMER SALES HISTORY

| | | | |
|------------------------|------------------------|----------------------------|-----------------------------|
| Ongoing Sales Quotes: | Ongoing Sales Orders: | Ongoing Sales Invoices: | Ongoing Sales Credit Memos: |
| 1 | 0 | 1 | 0 |
| Posted Sales Shipments | Posted Sales Invoices: | Posted Sales Credit Memos: | |
| 0 | 45 | 0 | |

LINKS:
Main: [www.relecloud.com](#)
-
Financials Direct: [www.relecloud.com/financials/...](#)
-
Relecloud QuickBooks: [www.quickbooks/user/relecloud](#)

MainActionsNavigateManageLine

General

Show more

No.

α

NameRelecloud

Balance (\$)8,836.80

Balance Due (\$)0.00

Credit Limit (\$)0.00

Blocked☐

Total Sales7,025.59

Costs (\$)0.00

Address & Contact

ADRESS

Address25 Water Way

Address2

CityAtlanta

StateGA

ZIP Code31772

Country/Region CodeUS

CONTACT

Primary Contact Code

Contact NameJesse Holmer

Phone No.(356) 958-0998

Email

Home Page

Show on Map

A sneak peek on theming

DEMO



Q&A