HCL Digital Solutions

# Domino V11 & Beyond

And what to expect...

#engageug

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HCL's statements regarding its plans, directions, and intent are subject to change or withdrawal without notice and at HCL's sole discretion.

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Performance is based on measurements and projections using standard HCL benchmarks in a controlled environment. The actual throughput or performance that any user will experience will vary depending upon many factors, including considerations such as the amount of multiprogramming in the user's job stream, the I/O configuration, the storage configuration, and the workload processed. Therefore, no assurance can be given that an individual user will achieve results similar to those stated here.

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# Domino Vision & Strategy
## Apps that run your business

**Business Workflow for Everyone**

**Your Business, Your Data, Your Cloud**

**Better App and Mail Experiences, Everywhere**

# Domino Roadmap

- **Innovation**
- **Long-term Commitment**
- **Openness**
- **Product Quality**
- **Transparency**

R9

March 2013
October 2013

V10

October 2018
December 2018

V11

December 2019
March 2020

V12

1H-2021

# Compelling reasons to upgrade

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| Features | Domino R9 | Domino V10 | Domino V11 |
|---|:---:|:---:|:---:|
| Synchronize Domino with AD & Azure AD | | | ● |
| Low-code app development: 60% faster | | | ● |
| Flexible Docker deployments | | | ● |
| Go mobile with zero effort | | ● | ● |
| Auto-repair, self-healing | | ● | ● |
| Open JavaScript development | | ● | ● |
| Verse for web and mobile | | ● | ● |
| Web services consumer | ● | ● | ● |
| Widgets and Live Text | ● | ● | ● |

98% of users
have only 20%
of the new features
and functionality
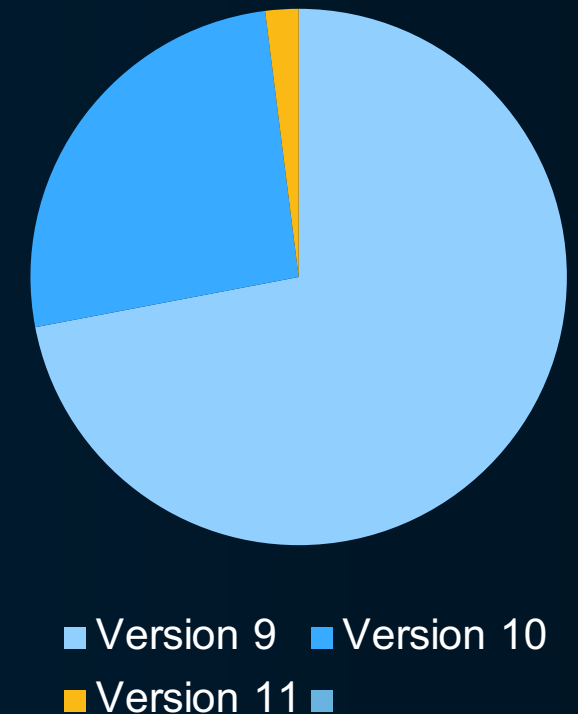
■ Version 9  ■ Version 10

■ Version 11  ■

# Domino V11: Apps that run your Business

On a secure platform you trust:

- We're adding a low-code tool to your IT team's arsenal
- Continue to use your existing apps and mail with confidence
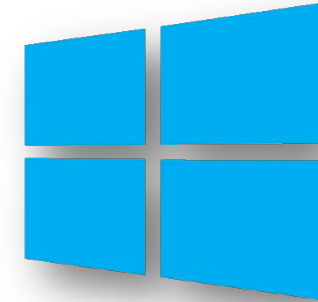
*Domino Volt*

Build apps
60-70% faster

*Domino Nomad*

Go mobile
with zero effort

*Directory Synchronization*

Synchronize Domino
with AD & Azure AD

# What's New in V11 for App Development

**IT & Business Analysts**

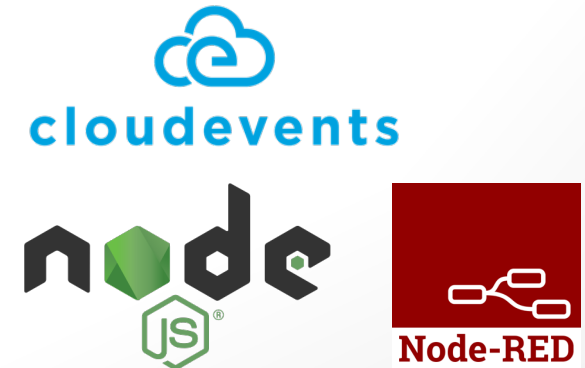- *New* Domino Volt



**Low-code**

**Domino Designers**

- *New* Nomad platforms
- Powerful DQL extensions
- Designer mobile updates
- LotusScript enhancements



**Mid-to-Pro-code**

**Full-stack Web Developers**

- *New* Event Publisher (preview)
- Cloudevents standard



**Pro-code**

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# HCL Domino Volt

Build Enterprise Apps Lightning Fast

- Open Beta - March 9
- eGA April 2020

## New low-code app-building capabilities for IT teams and business users

- Create web apps with forms, views and workflows

- No IT skills are required

- Extend and enhance them using common web development skills

- Integrate forms with your enterprise systems and data

**Branch banking operations**

**Audit and risk assessment**

**Oil and gas pipeline inspections**

**Employee and vendor onboarding**

**Agent change requests**
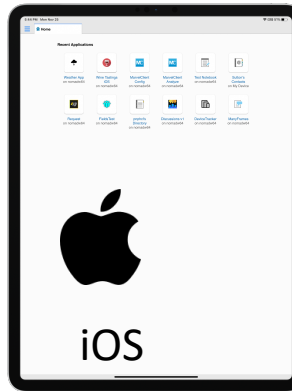
**Business user lead process automation**

# V12: Go ~~Mobile~~ **Anywhere** with Zero-effort

- New platforms

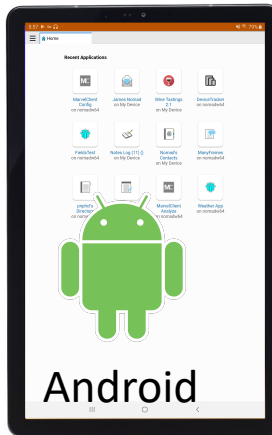- Mobile UX extensions

- GPS support

- Mail template

No effort - same apps, great security, and offline capabilities
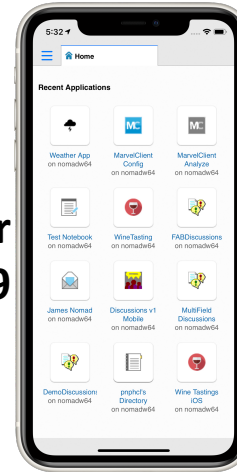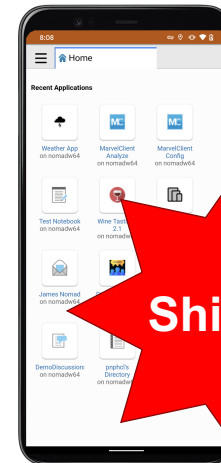
## Tablets

**April 2019**

iOS

**December 2019**

Android

## Phones

**December 2019**

**March 2020**

**Shipping**

## Browsers

**Beta Q2-2020**

**Desktop PWA 2H-2020**

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- 2-4X faster view searches, compared to version 10.
- DQL leverages full-text search for 100X faster results with the new Contains operator.

- Body contains all ('standard issue', 'noteb??k*')
    - finds text in body field only, all terms must be found

- Contains ('Cincinnati', 'Albuquerque' 'Düsseldorf', 'geeks')
    - finds text in an entire document

- Performs database-level or field-level Full Text Search
    - finds terms embedded in text
    - uses the optional DQL all keyword to AND the members in the set
    - any field in the database can be searched (or the whole database)
    - works with all existing DQL terms (using AND, OR, NOT)
    - supports wildcard (*, ?)

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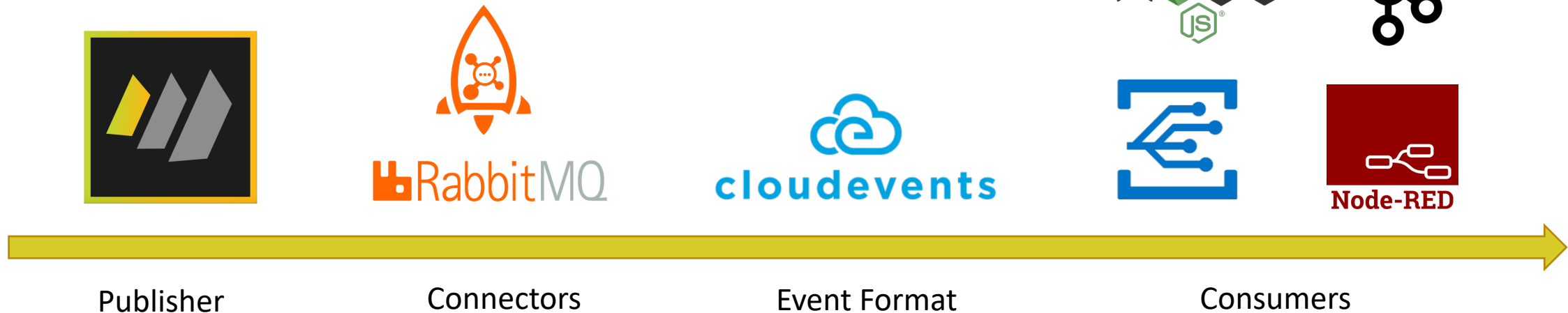
# Active Directory Synchronization

- Passcode Syncing
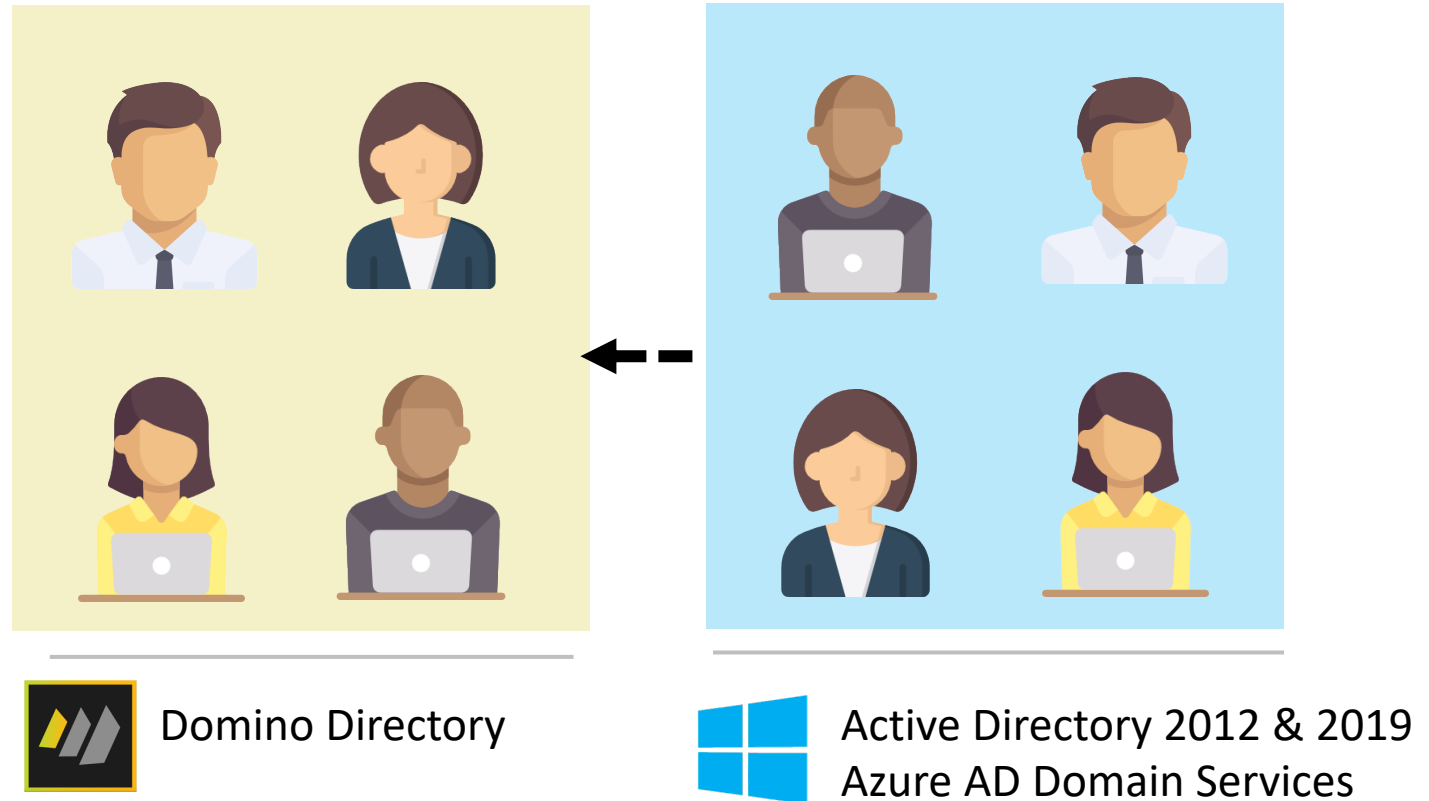- Coming in V12

- Federated contact information
- Sync'ing of AD and Domino attributes
- Security and Distribution groups

Admins can focus on registering new Domino app (or mail) users, with a single right mouse click, when ADFS is taking care of identities and passwords.

Domino Directory

Active Directory 2012 & 2019
Azure AD Domain Services

# New Ecosystem Partnerships…and More to Come

## Panopta

### Performance Monitoring

Admins get alerted about their Domino server's performance and dashboards to aid in the quick detection, diagnosis, and resolution of issues.

## approved contact · OnTime

### Calendar Free/Busy

Coordinate any meeting date and time with confidence, even if the invitee's calendars are in Microsoft Exchange, Google G-Suite, or O365.

## Barracuda New

### Email Archiving

Certified archiving and retention with Domino V11 and Barracuda's latest offering.

## IBM New

### Email Archiving

IBM Spectrum Protect for Domino V11.

## proofpoint New

### Email Protection

Enterprise-grade AS/AV protection for your Mail.

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## V11

- Reduce costs with two-tiered DAOS storage on S3 (inc. AWS & IBM)

- Web authentication against Notes ID pw in the vault

- Open JVM 8 and OpenSSL

- Traveler update:
  - HTTP/2 support for APNS (Apple Push notifications)
  - Support for ActiveSync 16

## V11.0.1

- Group 1 Language Packs

- Security improvements

- Ship docker image (RHEL UBI)

## AppDev Pack 1.0.4

- Calling Domino Agents from Node.js

## HCL Enterprise Integrator (V10 & V11)

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# Security Improvements – V11.0.1

- SNI (Server Name Indicator) support for Domino
  Currently, only one SSL certificate for each IP address in Domino

- 128/256Bit AES for Database encryption

- DAOS encryption on Tier2 (S3 storage) using AES

- New RSA keys created as 2048 bit by default

- Removed RC2 and RC4 algorithms for Database encryption

# Language Pack updates



## V11.0.1 Group 2

- **Russian**

- **Czech**

- **Polish**

- **Dutch**

- **Swedish**

- **Arabic**

## V12 [or before]

- **Catalan**

- **Hebrew**
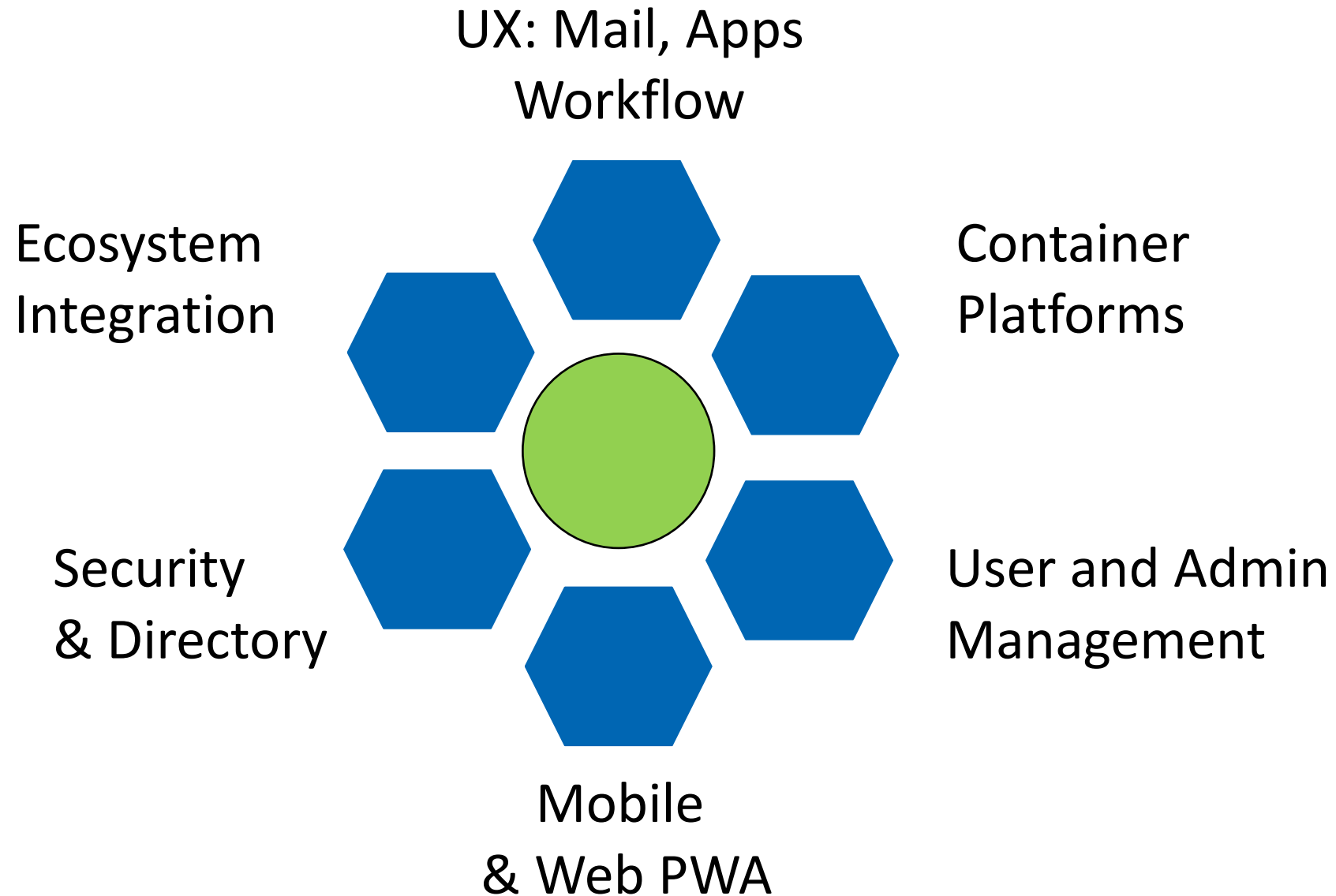
- **Finnish**

- **Norwegian**

- **Slovakian**

- **Slovenian**

**Note:**
Verse, Sametime and Domino Volt support 30+ Languages.
- Adding Basque and Hindi (V12)

# HCL Domino V12: Snapshot

UX: Mail, Apps
Workflow

Ecosystem
Integration

Container
Platforms

Security
& Directory

User and Admin
Management
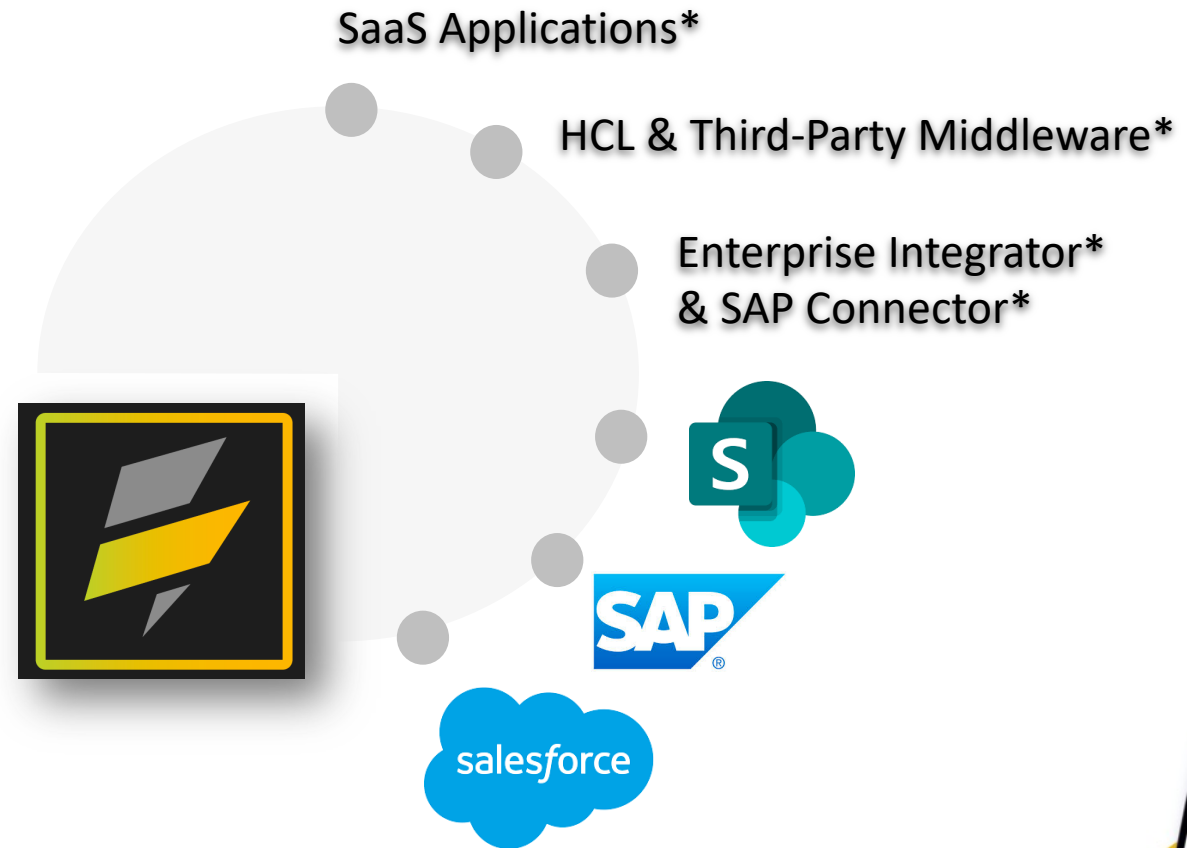
Mobile
& Web PWA

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# HCL Domino V12

## Apps that run your business

## Business Workflow for everyone

Every business user can use forms, enterprise data and workflows to build a solution.

- Workflow canvas
- Mobile client
- Integration built-in
- Process Analytics

**SaaS Applications***

**HCL & Third-Party Middleware***

**Enterprise Integrator***
**& SAP Connector***

S

SAP®

salesforce

18

# HCL Domino V12
Apps that run your business

- Coming in 1H-2021
- Webinar coming soon
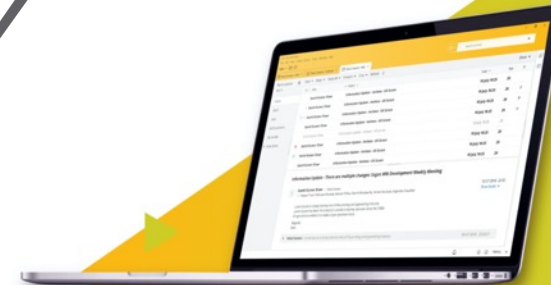
## Your Business, Your Data, Your Cloud

Domino Cloud Native delivered with the security and automation that every organization expects.

- Leading container platforms
- Backups reimagined
- Simpler security deployment

aws

OPENSHIFT

veeAM

COHESITY

# V12 Candidate Security Functionality

- Two-Factor Authentication (TOTP) web applications on Domino
  ➔ App based authentication, supporting e.g. Google Authenticator and others

- Two-Factor Authentication (TOTP) for NRPC clients

- Auto-Deploy IDVault

- Let's Encrypt integration enabled by default
  ➔ SSL/TLS certs by default

- One Touch SSL/TLS configuration
  (no more manual copying of *.kyr files between servers)

- Maintenance of ID file in IDVault for non-NRPC clients
  e.g. rename, recertify, move to new certifier without user needing to authenticate with NotesID

- TouchID support for MacOS

- Improved AppDev Pack Integration: simplified registration of 3rd party apps

- Housekeeping: Updated Template Signing IDs, Forward Secrecy
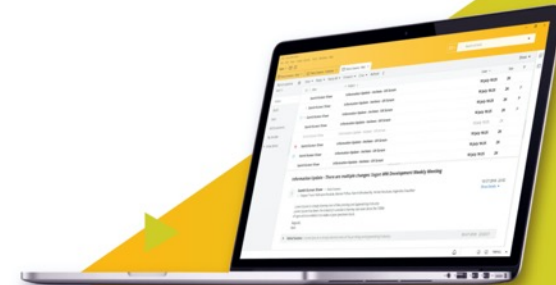
Apps that run your business

## Better App and Mail Experiences, Everywhere

Use your existing apps, do mail and chat using your desktop, web and mobile devices more easily.

- Zero-footprint apps on a browser
- New desktop Mail & Chat experiences
- More languages supported

## What's important as we evolve?

- Easy to use

- Built to be extensible

- Open Standards

- Minimal footprint

# Evolving to HCL Nomad Web

| C / C++ Code | | WebAssembly | JavaScript | App HTML | Browser |
|---|---|---|---|---|---|

```
#ifndef NSF_DEFS
#define NSF_DEFS

/* Note Storage File Glob

#include "nsfdata.h"
#include "nsfdb.h"
#include "nsfnote.h"
#include "nsfsearc.h"
#include "nsferr.h"
```

emscripten

**WA**

WASM module

Your App running natively in a browser
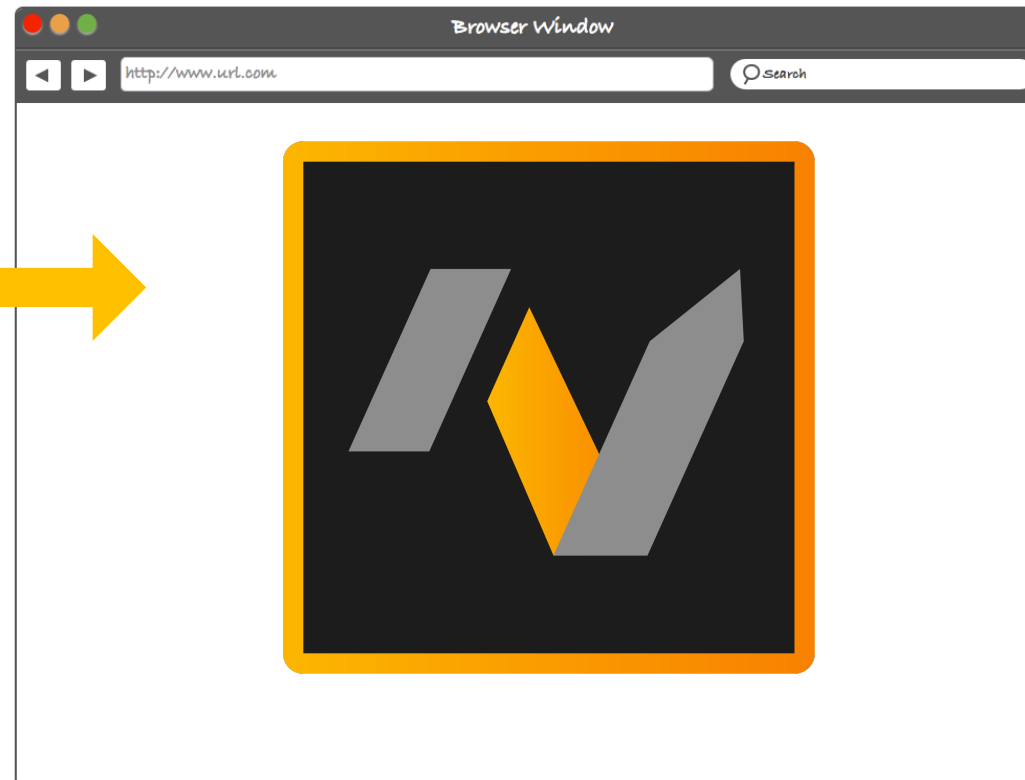
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# Our journey on the desktop

**Apps** →  → **Nomad Web v1.0**

Beta – Q2-2020
Desktop PWA - 2H-2020

**Mail** →  → **Verse v2.0**

Desktop PWA – June 2020

**Chat & Meetings** →  → **Sametime v11**

Web Chat - now
Web Meetings - June 2020
Desktop PWA - 2H-2020

**An integrated User Experience**

2019          2020          2021/22

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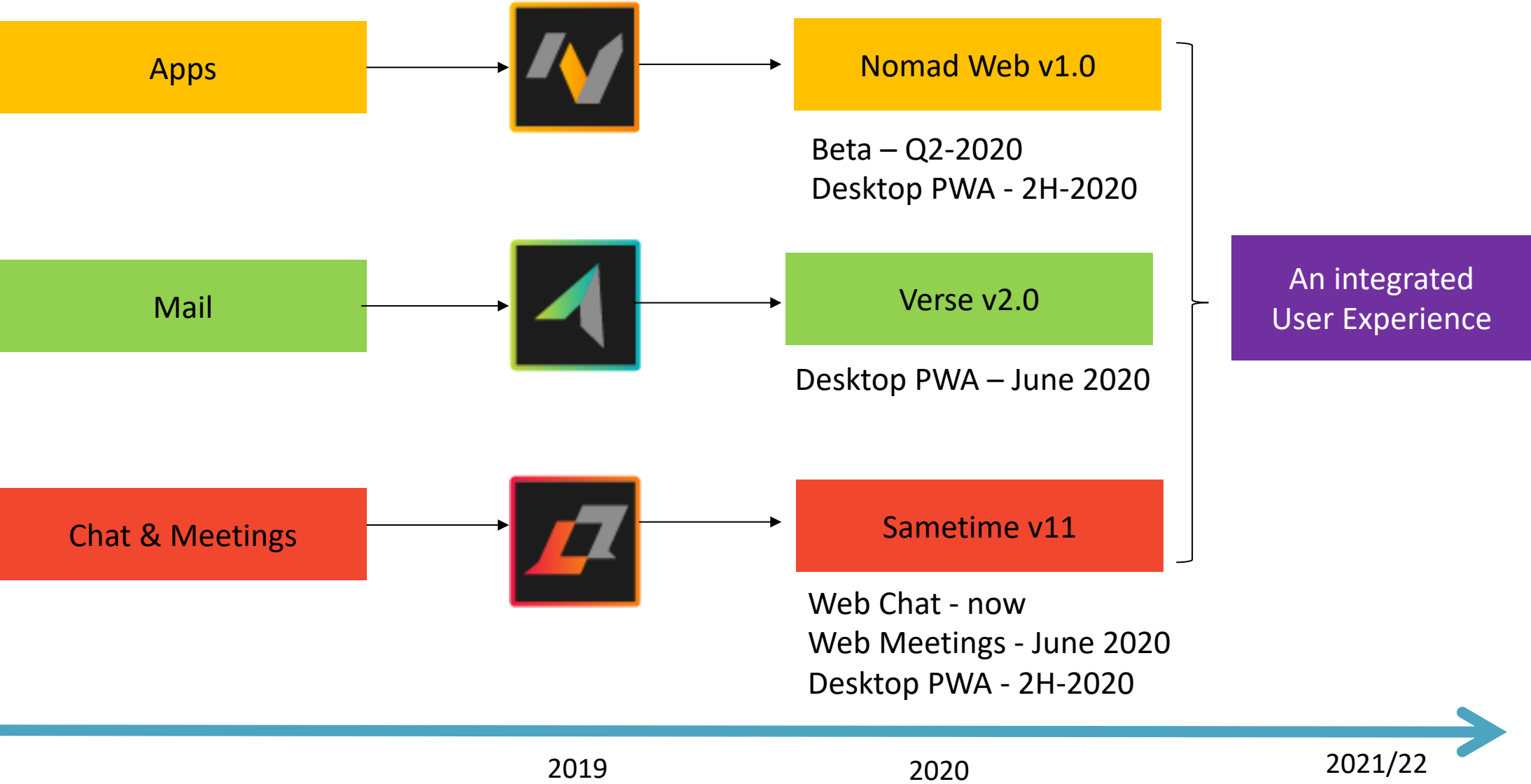
## Get Started Today

**Domino Volt beta**    https://leap.hcltechsw.com/apps/anon/org/app/1c4ee296-a974-481e-8fa7-e33503715b0b/launch/index.html?form=F_Form1

**Nomad Web beta**    https://www.surveymonkey.com/r/XXBFP6N

**Verse Survey**    https://hclsw.co/vop-engage-survey

**Sametime Mobile Survey**    https://hclsw.co/st-survey

# Q&A

# Keep the Ideas Coming – Domino Ideas Portal
## And, please follow these three steps:

**1**

**2**

**3**

- Where we gather and prioritize your ideas

- Where we want you to add, vote, comment on and share as many ideas as you like.

Search the forum to see if your idea already exists.

Vote for any ideas and add any additional comments that you may have related to that idea.

If your idea does not already exist, create a new idea and format your idea like:
*"As a <insert role>, I would like to be able to <insert action> in order to <insert need>."*

Create as many ideas as you'd like, but remember to keep each idea, separate.

Do not create idea that consist of more than one request for enhancement.

# https://domino.ideas.aha.io/

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# THANK YOU

#engageug

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