Uniface Roadmap

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CTO

November 2016

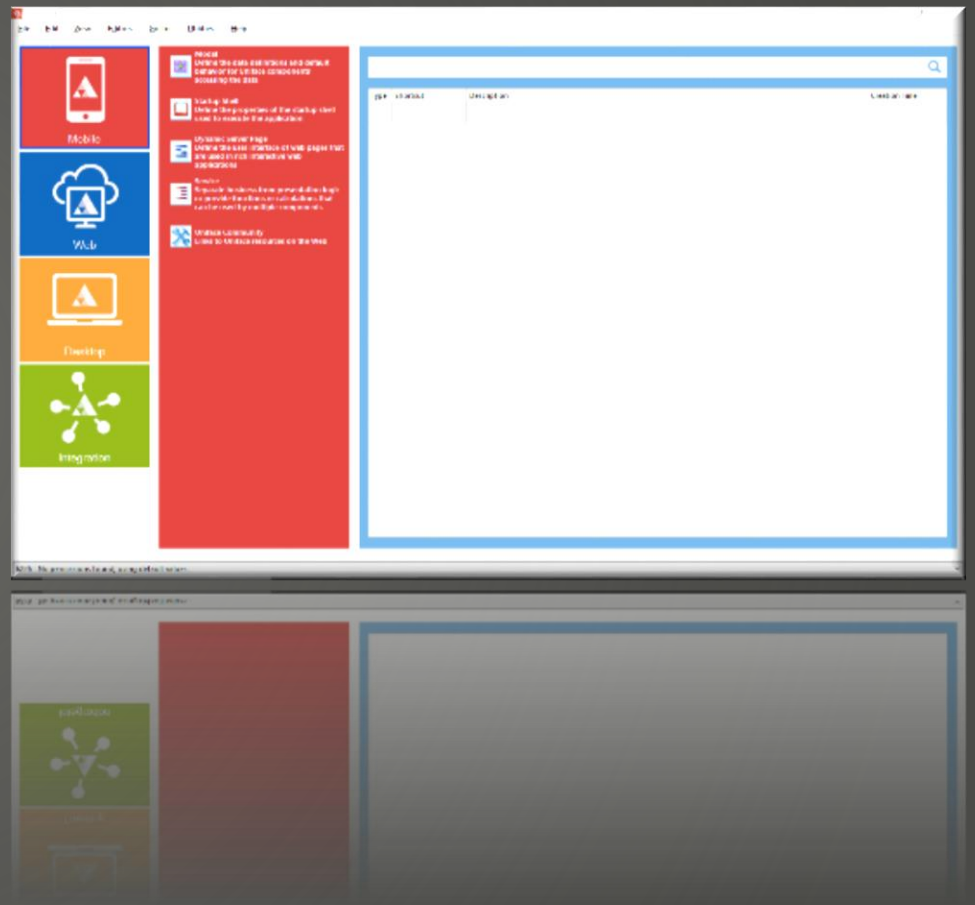
UNIFACE

UNIFACE 9.6

- Supported migration path to Uniface 10

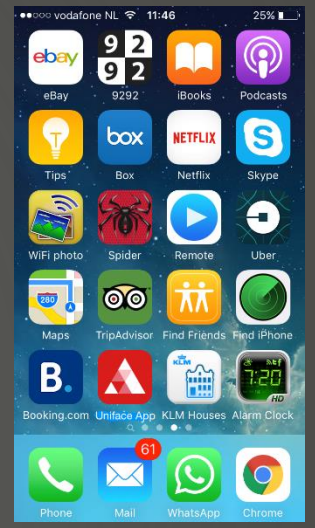
- Uniface 9.6
  - No enhancements delivered
  - Minimal new currency support
  - Bug fixes delivered in patches
- March 2017 – Uniface 9.6 is in Extended Support mode
  - No currency delivered.
  - Essential fixes delivered on an ‘as required’ basis.
- December 2017 – Uniface 9.6 is Unsupported
  - No maintenance
  - No Technical Support under support SLAs

- This information is published on Uniface.info

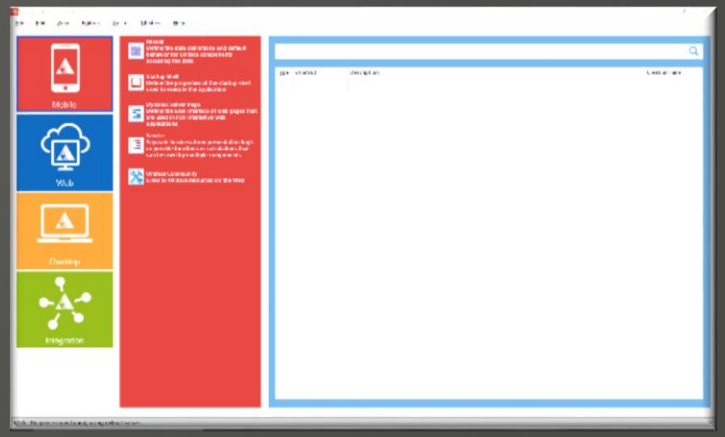


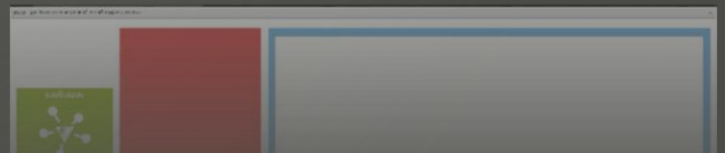
UNIFACE

UNIFACE 9.7



- Released Sept 2015
  - Delivers the Uniface mobile solution
- Uniface 9.7.02 released June 2106
  - Significant Web enhancements delivered
  - Integration enhancements
    - Additional struct features
    - Struct scalability and performance enhancements
- Revised Uniface Development Environment
  - New look – colours, start screen, etc
  - New application start-up shell forms
    - Supports mobile
    - Integration to the Buildozer mobile build service.



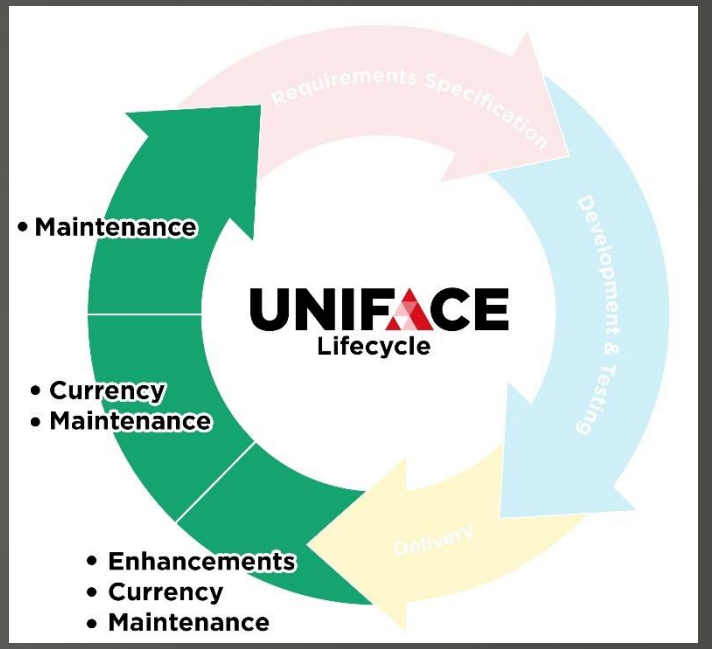


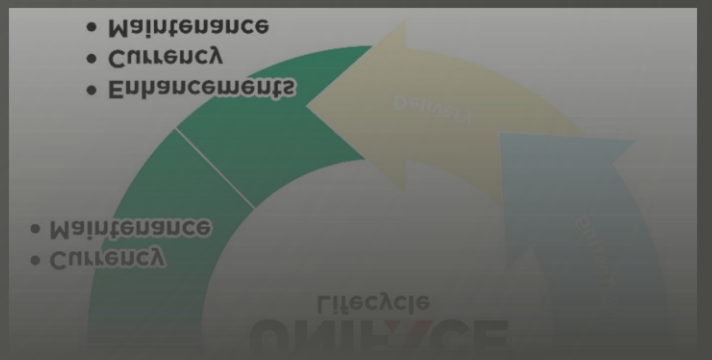
UNIFACE

MAINTAINING UNIFACE 9.7

Uniface 9.7.02 released June 2106

- 4 month release cycle of maintenance packs
- Monthly patch cycle
  - Maintenance only
- Uniface 9.7 end of support = Dec 2019
- Uniface 9.7.03 released Oct 2016
- Uniface 9.7.04 planned for January 2017





UNIFACE

UNIFACE 9.7.03/9.7.04

Uniface 9.7.03 (Oct 2016)

- Primarily maintenance and currency
  - MS Windows 2016
  - MS SQL 2016*
  - SAP (Sybase) ASE 16
  - Oracle 11 support on OpenVMS

Uniface 9.7.04 planned for Jan/Feb 2017

- Significant Security Enhancements
- TLS Network Driver
- Pathscrambler Encryption
- Signed Uniface .dlls

UNIFACE 10

- Released on September 15, 2016
  - Full client capability: Mobile, Web and Client Server
  - Full editor capability
  - Migration path from Uniface 9.6 and Uniface 9.7

UNIFACE 10
Enterprise Edition

- Uniface 10 suitable for new projects

- Uniface 10 suitable for existing projects

CURRENCY PLAN

Non-strategic platforms will be discontinued

Platforms not supported by Uniface 10

- Windows 32 bit server
- Windows CE client
- IBM iSeries (AS/400)
- HP-UX Unix
- HP OpenVMS

All other platforms/operating systems will be made available for Uniface 10

DATABASES PLAN

Old versions of databases ‘purged’

Databases related to discontinued platforms are discontinued (!)

- db2 iSeries
- Rdb/RMS
- db2 everyplace/SQLite Mobile/MS SQL Mobile/embedded

Solid driver no longer distributed

- Aiming to discontinue Solid support
- PostgreSQL *should* be a viable option for most circumstances

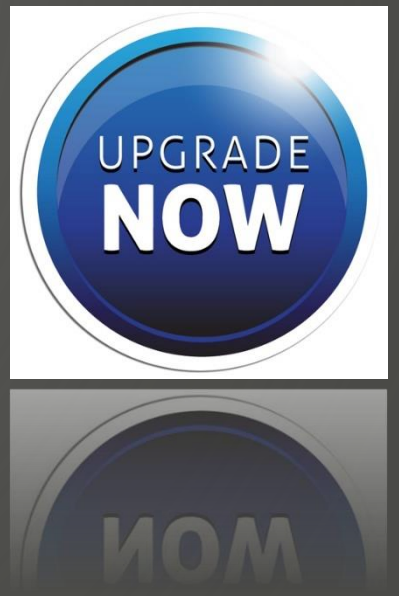
LDAP 3.0 (u1.0 driver) discontinued

- U2.0 driver a viable option

MIGRATING TO 10

- Under the hood, new migration tooling
- Undergone a thorough testing program
  - Internal apps
  - Customer apps we have ‘in house’
  - Migration ‘roadshow’ conducting test migrations ‘on site’
  - Testing will continue
  - Additional on-site test migrations

UNIFACE 10
Enterprise Edition



MIGRATING TO 10 (CONT)

To be aware of:

- Triggers to code containers
  - Check compiler warnings
  - Central/global procs, commented code

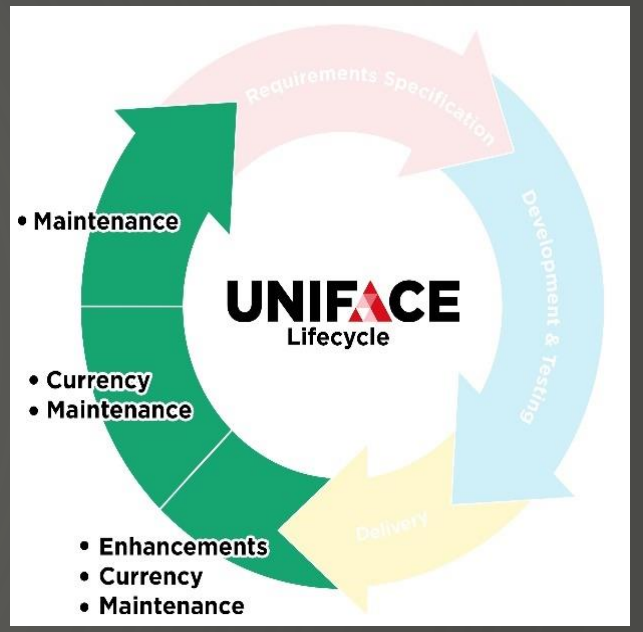
- Version control will require additional changes to the repository
  - Additional migration steps

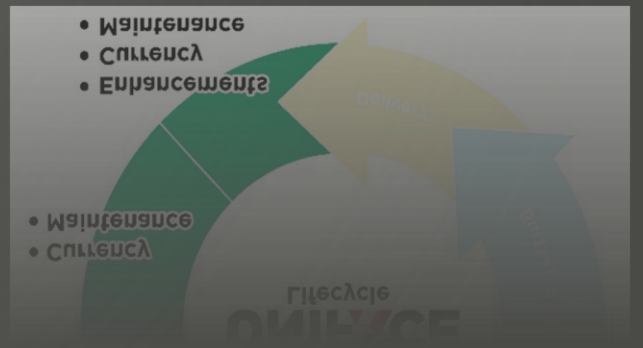
- The repository has changed
  - 'home brew' tooling in the repository will not work
  - Talk to us if you have migration issues
  - The migration tooling will continually evolve
  - **Uniface.info** is an important resource

UNIFACE 10
Enterprise Edition

UNIFACE 10 – FUTURE

- Maturing and Expanding functionality
- Regular maintenance schedule
  - Monthly patches delivering fixes
  - Frequent migration tooling enhancements
- Maintenance packs delivered 4 months
  - New functionality
  - New currency
  - Consolidate maintenance patches





UNIFACE

COMMUNITY EDITION

- Free to use development release
- Encourage new Uniface developers
- Encourage existing customers to use new features

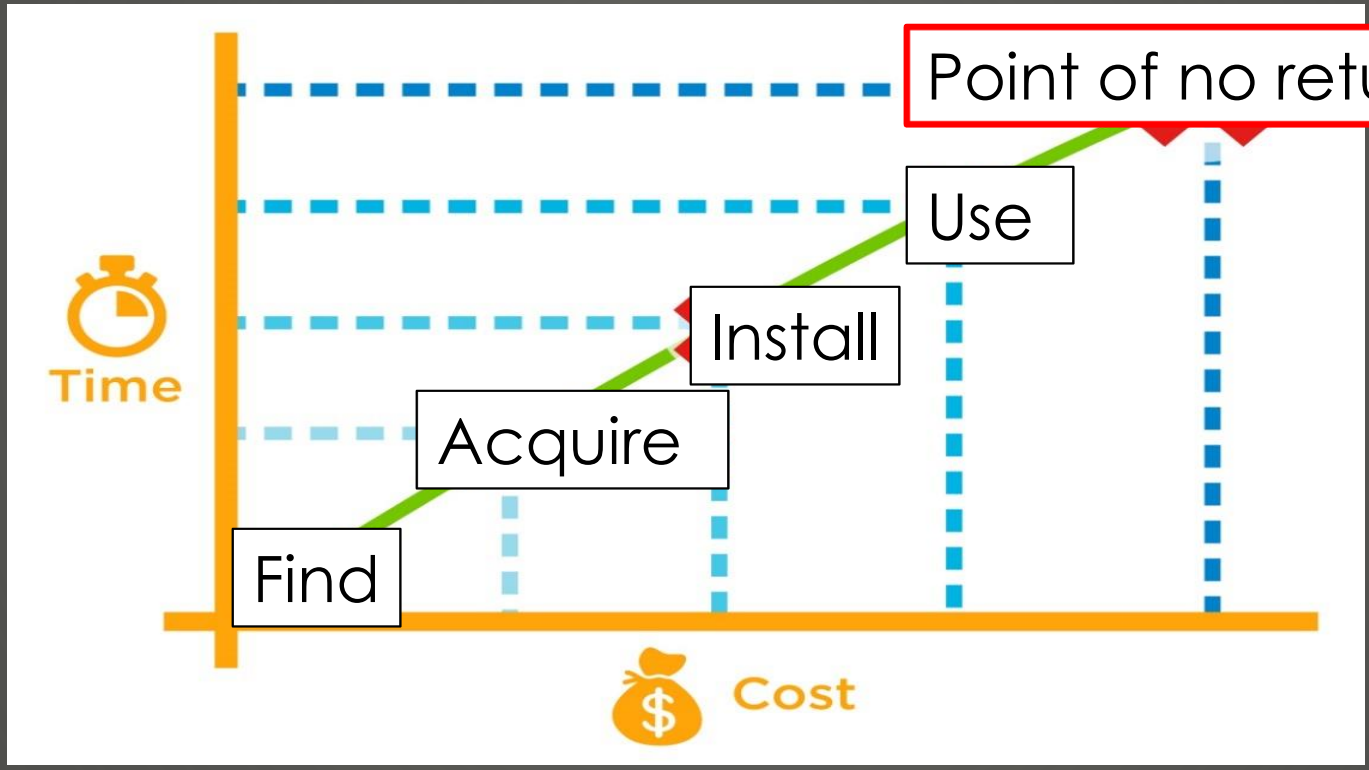
UNIFACE 10
Community Edition

- Encourage new/more Uniface initiatives
  - New applications
  - New additions to the IDE
  - New contributions to samples, GitHub project, etc

- Expect in 2017 timeframe

COMMUNITY EDITION (CONT)

- Free to use development release
- Based on Uniface 10



- 'The Uniface trial is such a trial'

COMMUNITY EDITION (CONT)

How will this look like:

- SQLite database included
- Support is provided through **Uniface.info** forums
- Maintenance is provided 'when we determine'
- Education and knowledge
  - Uniface 10 tutorials
  - Uniface 10 documentation
  - Uniface samples on Uniface.info and GitHub

UNIFACE 10
Community Edition

FREE TRAINING

UNIFACE 10 – LONGER TERM

- Version Control
- Next major Uniface 10 project
  - Integrate with Github - industry standard tooling
  - Synergies with the Uniface Dev Conf initiatives
- Closely coupled with Uniface 10 Project functionality

- Expecting April/May delivery
  - Will complete the Uniface 10 repository
  - Uniface 10 customers will have to migrate to this version (export => import)

UNIFACE 10 – LONGER TERM

- IDE enhancements
- Open Uniface IDE API's
  - Provide customers with API's to extend the IDE functionality.
  - Business opportunity for Uniface partners
  - Helps manage 'unofficial' development practices
  - Initial APIs planned for 2017 delivery

- Enhanced debugging
  - Need to enhance and expand current debugging capabilities
  - Needs to be graphical, integrated, modern, etc
  - Planned 2017 delivery

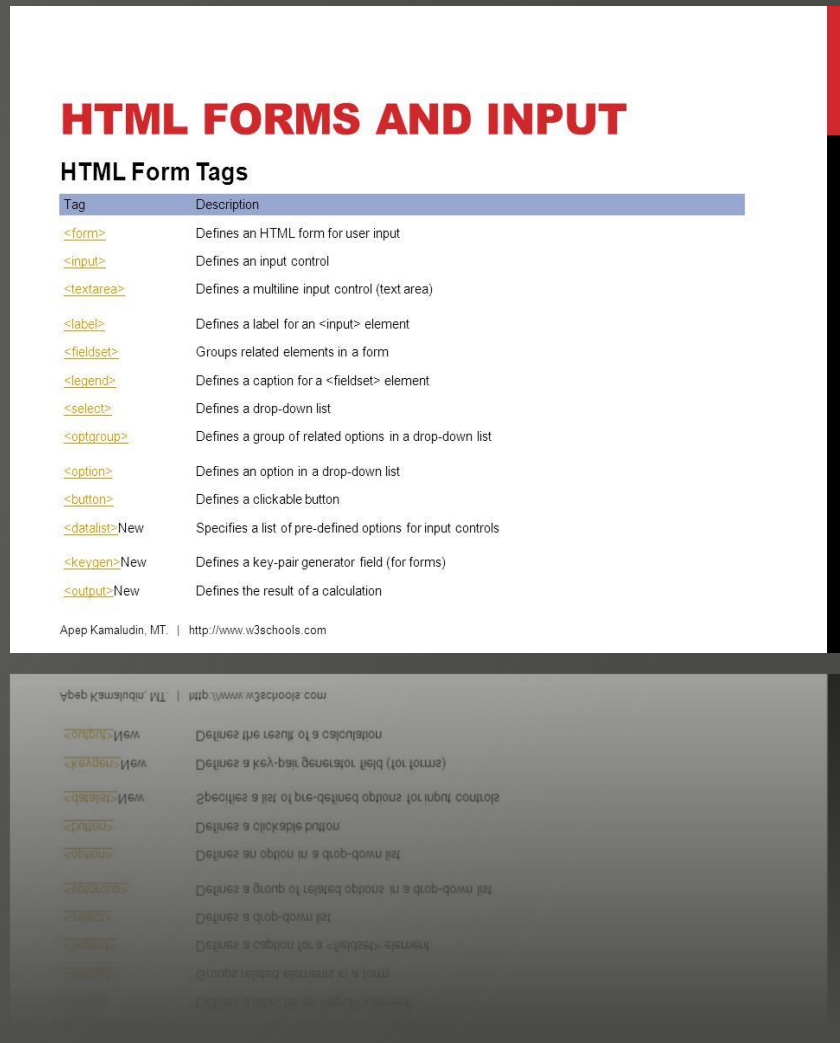
UNIFACE 10 – LONGER TERM

- IDE enhancements (continued)
- Code completion
  - Expand the current functionality
  - PROC Scrip statements to be included
  - PROC Script Operations
  - Expect a phased delivery starting in 2017

- Web Services usability
  - Current Uniface capabilities are quite strong.
  - Implementation can be made easier and more productive
  - Eliminate/reduce the need for 3rd party/external technologies.

UNIFACE 10 – LONGER TERM

- HTML Forms
- New client server component type
  - Significant investment to client server
  - Enables infinite client server modernization options
  - We are planning for 2018 availability.



HTML FORMS AND INPUT

HTML Form Tags

Tag	Description
<form>	Defines an HTML form for user input
<input>	Defines an input control
<textarea>	Defines a multiline input control (text area)
<label>	Defines a label for an <input> element
<fieldset>	Groups related elements in a form
<legend>	Defines a caption for a <fieldset> element
<select>	Defines a drop-down list
<optgroup>	Defines a group of related options in a drop-down list
<option>	Defines an option in a drop-down list
<button>	Defines a clickable button
<datalist>New	Specifies a list of pre-defined options for input controls
<keygen>New	Defines a key-pair generator field (for forms)
<output>New	Defines the result of a calculation

Apep Kamaludin, MT. | http://www.w3schools.com

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CURRENCY PLAN

www.cio.com/article/3017177/linux/11-predictions-for-linux-in-2016.html#slide4

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As Unix fades away from data centers, it's unclear what's next

Linux is gaining ground today, but a cloud OS or some other new technology may become more important in time

Patrick Thibodeau (Computerworld (US))
12 December, 2013 18:54

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Comments

LAS VEGAS - Gartner says that its clients have started planning to migrate from Unix.

For some of them, it may take two or three years, and for others, five years. A few may still be running Unix 10 years from now, but nonetheless, Gartner believes the operating system is on a path to insignificance.

play Harvey Two Face.

On the enterprise side, Microsoft will open source software that either no one uses or is critical for developers. On the consumer side, it will keep its code proprietary and continue to sign patent deals with those vendors that offer Linux based products.

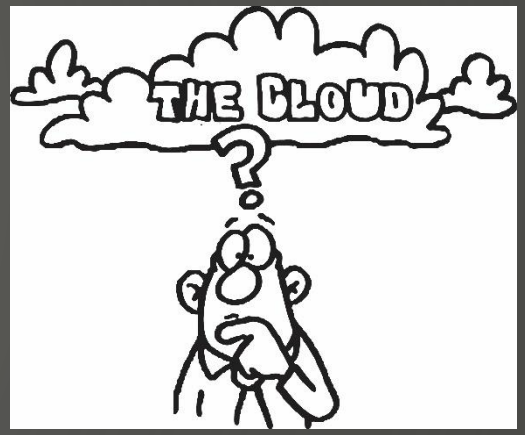
My prediction: Microsoft will acquire some Linux vendor so that it can offer its own Linux distribution to enterprise clients. I will leave it to you to guess who is the most attractive acquisition target for Microsoft.

UNIFACE

CLOUD STRATEGY

Support Uniface Apps for cloud deployment

- Phased approach, enabling Uniface to be deployed:
  - Easily
  - Reliably
  - Securely
- Still maintain the key Uniface values:
  - Productivity
  - Technology independence
    - Database and operating systems



CLOUD STRATEGY

Phased approach, supporting Uniface for cloud deployment

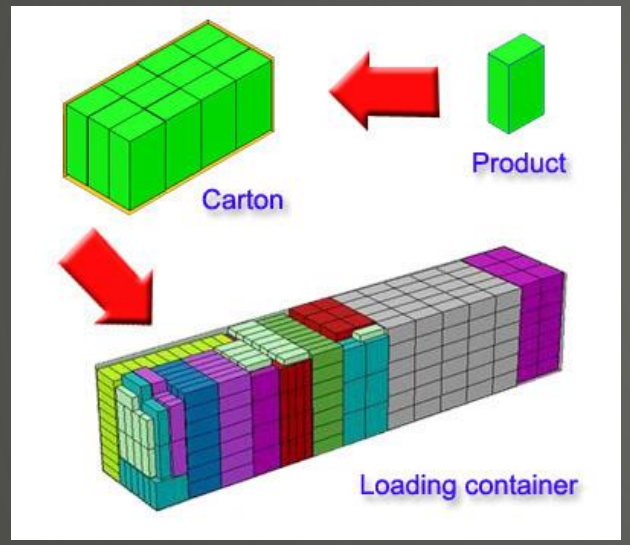
Phase 1 – Verify Uniface for cloud deployment

- Verify Uniface on the MS Azure and Amazon AWS platforms
- Publish support in the Uniface PAM
- Include in our testing and verification processes.
- OS Support: Linux and Windows Server
- Database Support: Oracle, MS SQL and PostgreSQL

- Delivery
  - Uniface 9 – aiming for Uniface 9.7.04 (Dec/Jan)
  - Uniface 10 – 2016 EOY release

Phase 2 – Container based deployment

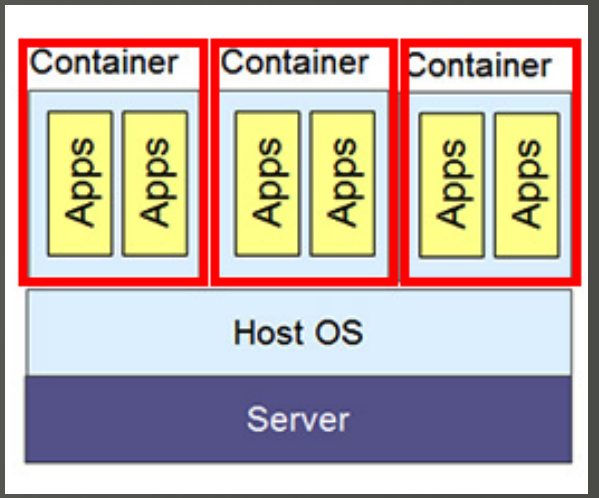
- Containers provide a standard (deployment) approach



- Consistent, scalable, portable, etc.

Phase 2 – Container based deployment

- Software containers provide a standard deployment approach
  - Standard approach for application distribution
  - Technology independent
  - Simplifies (distributed) application deployment
  - Potentially a way for us to distribute the Uniface runtime

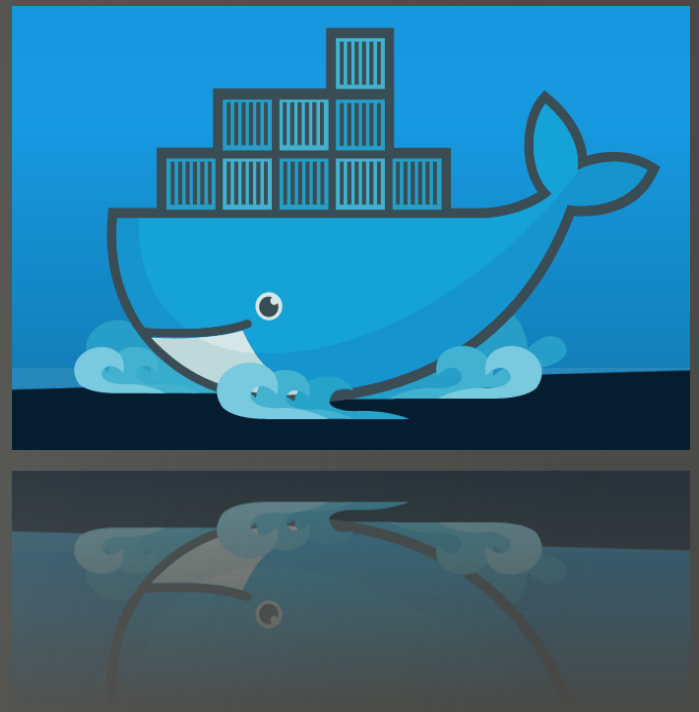


CLOUD STRATEGY

Phase 2 – Container based deployment (cont)

- Provide Container deployment for Uniface
- Distribute the Uniface product in a container

- Our thinking:
  - Monitoring and managing application behaviour part of the requirement
  - Scripting capabilities provide customers with an easy, standard way to deploy applications.
  - Docker gives us platform coverage, but we will investigate other container services
  - Make available in Uniface 10, with a 2017 delivery
  - Relevant for both cloud and on-premise deployment.



Phase 3 – Provide a PaaS solution

Our longer term goal:

- We provide deployment services
- We provide customers a ‘per use’ licensing model.

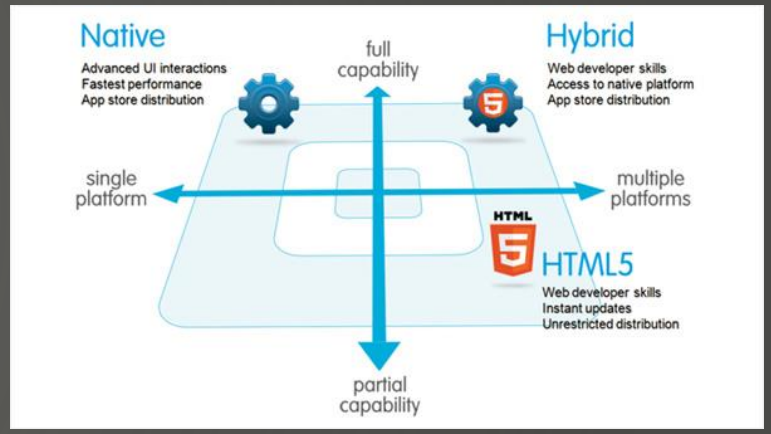
A lot for us to consider:

- Significant changes in our business
  - Licensing, support, etc.
  - Phases 1 & 2 give the foundation from a technical perspective.

MOBILE STRATEGY

Hybrid Apps – based on HTML/JavaScript

- Fits well with Uniface
  - Productivity
  - Technology independence
- Accepted in the market place
- Covers most mobile requirements
- Native vs Hybrid is an industry debate
  - Challenge on productivity to deliver and maintain.
  - Challenge on requirements and capability



95% of the functionality for 50% of the ***delivery*** cost.
Jeffery Hammond, Forrester Analyst.

UNIFACE

MOBILE ROADMAP

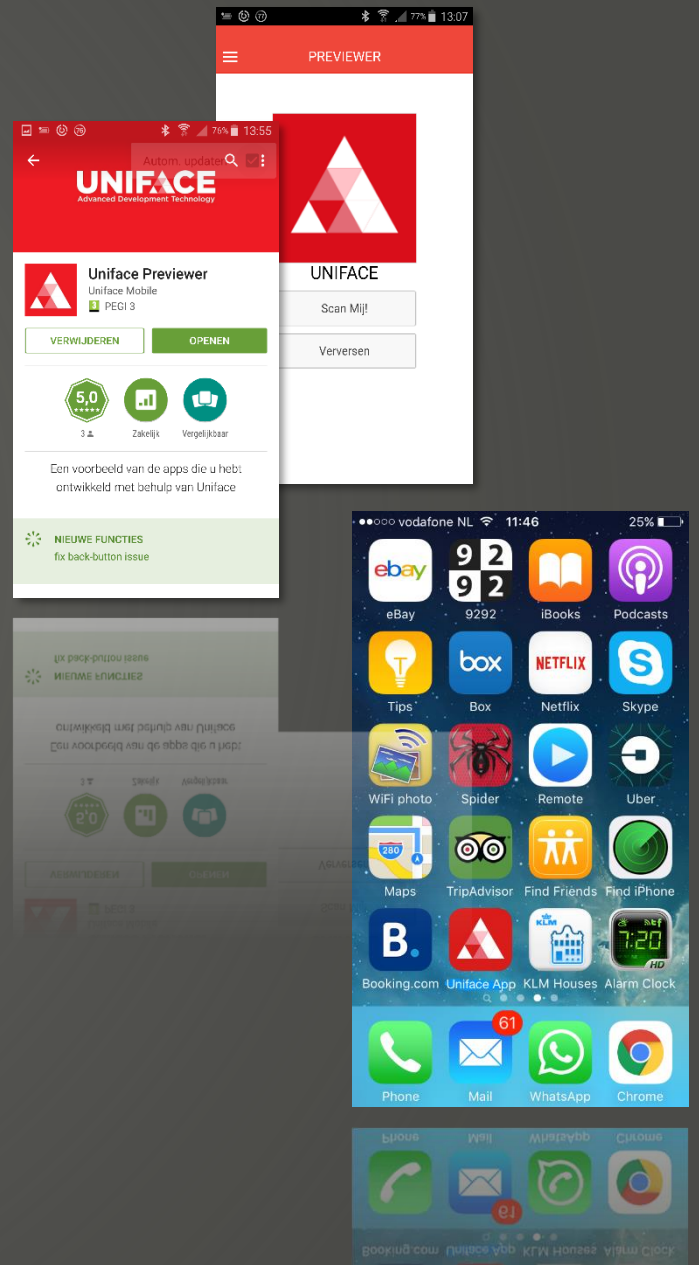
Continuing our phased delivery approach

- Phase 1 - Responsive Web GUI
  - **Delivered** Uniface 9.6/9.7
  - Enables browser access from any device

- Phase 2 – Installable (Hybrid) Mobile Apps
  - **Delivered** in Uniface 9.7.02 (and Uniface 10 Sept release)
  - Enables the installation in a mobile device
  - Enables distribution via app store

- Phase 3 – offline application execution
  - Work Underway
    - Aiming for 2017 delivery
    - Delivery version - preference is Uniface 10

- Phase 4 – offline application data storage
  - Work Underway
    - Aiming for 2017 delivery
    - Delivery version - preference is Uniface 10
    - Enable offline storage and synchronization of application data



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THANK YOU

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