UNIFACE

Advanced Development Technology

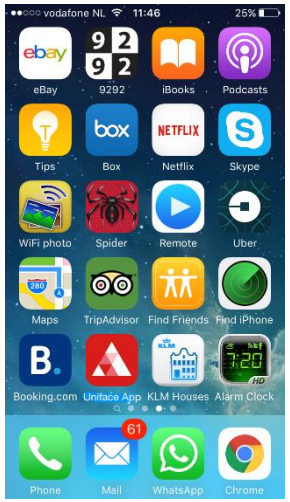
Product Roadmap

Uniface 9 support

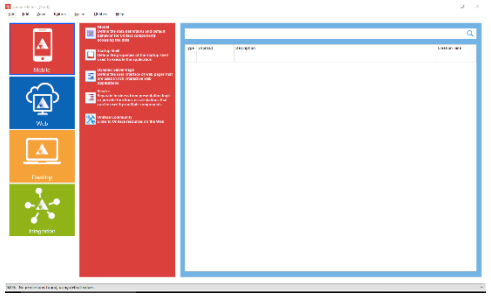
- Supported migration path to Uniface 10
- Uniface 9.6
  - No enhancements delivered
  - Minimal new currency support
  - Bug fixes delivered in patches
- March 2017 – Uniface 9.6 is in Extended Support mode
  - No currency delivered.
  - Essential fixes delivered on an ‘as required’ basis.
- December 2017 – Uniface 9.6 is Unsupported
  - No maintenance
  - No Technical Support under support SLAs
- This information is published on Uniface.info

UNIFACE
Advanced Development Technology

Uniface 9.7 – released Sept 2015



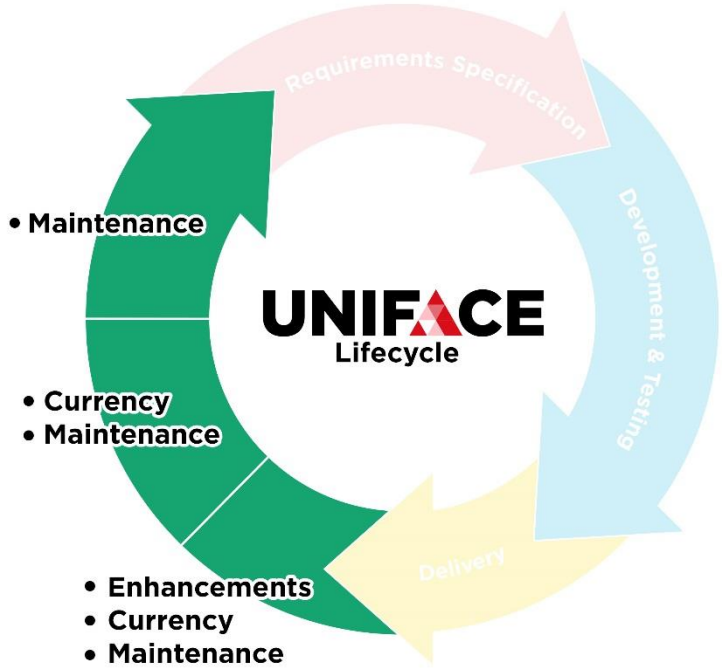
- Delivers the Uniface mobile solution
- Most recent update: Uniface 9.7.03 released Sept 2016
- Significant Web enhancements delivered
- Integration enhancements
  - Additional struct features
  - Struct scalability and performance enhancements
- Revised Uniface Development Environment
  - New look – colours, start screen, etc.
  - New application start-up shell forms
    - Supports mobile
    - Integration to the Buildozer mobile build service.



UNIFACE
Advanced Development Technology

Maintaining Uniface 9.7

- Uniface 9.7.03 released Sept 2016
- Patches released every two weeks
  - Maintenance only
- Uniface 9.7 end of support = Dec 2019
- Uniface 9.7.04 aiming for July 2017
  - Exact date being worked
  - TBA published on Uniface.info



UNIFACE
Advanced Development Technology

Uniface 9.7.04 - planned July 2017

- Cloud phase 1
  - Providers: MS Azure, AWS
  - Operating systems: Redhat, Susie, CentOS
  - Databases: PostgreSQL, MySQL
- Plan significant marketing activities around Cloud
- Currency:
  - Solaris 11.3 Windows 2016 Server 32 bit, CentOS
  - Oracle 12.2, PostgreSQL 9.6 (Linux), SAP HANA (Windows 2012R2 64bit) db2 U4.0 and MySQL U4.0 on Windows 64bit
- DLM version update
- Signed Uniface .dlls

Uniface 9.7.05 - aiming for 4 months after 9.7.04

- Cloud phase 2
  - Add Windows Server deployment
  - Oracle
  - MS SQL Support (includes Linux, assuming MS has delivered their client layer)
- Significant Security Enhancements
  - TLS Network Driver
  - Pathscambler Encryption (released in patch)
  - Email (uPopMail) SSL support (TBC)
  - LDAP SSL support (TBC)

- Plan significant marketing around security

- Lecture sessions, white paper, fact sheet, etc.

UNIFACE
Advanced Development Technology

Uniface 10

UNIFACE 10
Enterprise Edition

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

- Uniface 10 suitable for new projects
- Uniface 10 suitable for existing projects

Uniface

- Non-
- Focu
  - Fo
  - Fo
  - Su
  - Av
  - Av
- Prop

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

TRENDING: State of the CIO 2016 · CIO 100 · Careers · Consumer Tech · IT Strategy · Security · Mobile · Resources/White Papers · CIO Role

CIO FROM IDG

INSIDER Sign In | Register

Home > Operating Systems > Linux

www.techworld.com.au/article/534129/unix_fades_away_from_data_centers_it_unclear_what_next/

TechWorld NEWS TECHNOLOGY TOOLS WHITEPAPERS

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

f 53 in 0

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.

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
Advanced Development Technology

Uniface 10 Currency Plan

- Non-strategic platforms discontinued
- Platforms not supported by Uniface 10
  - Windows 32 bit server
  - Windows CE client
  - ~~IBM iSeries (AS/400)~~ (decision reversed, Uniface 10.3 planned)
  - HP-UX Unix
  - HP OpenVMS
- All other platforms/operating systems are available for Uniface 10

Uniface 10 Databases Plan

- Old versions of databases ‘purged’
- Databases related to discontinued platforms are discontinued (!)
  - ~~db2 iSeries~~ (decision reversed, Uniface 10.3 planned)
  - Rdb/RMS
  - db2 everyplace/SQLite Mobile/MS SQL Mobile/embedded
- Solid is no longer supported
  - Late breaking decision based on some technical challenges
  - Solid 6.5 is only supported by Solid on Windows 2012 server (old)
  - PostgreSQL should be a viable option for most circumstances
- LDAP 3.0 (u1.0 driver) discontinued
  - U2.0 driver should be used

Migrating to Uniface 10

UNIFACE 10
Enterprise Edition

- 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
Advanced Development Technology

Migrating to Uniface 10 (cont) - Gotchas

- Triggers to code containers
  - Check compiler warnings
  - Central/global procs, commented code
- Version control will require additional changes to the repository
- 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

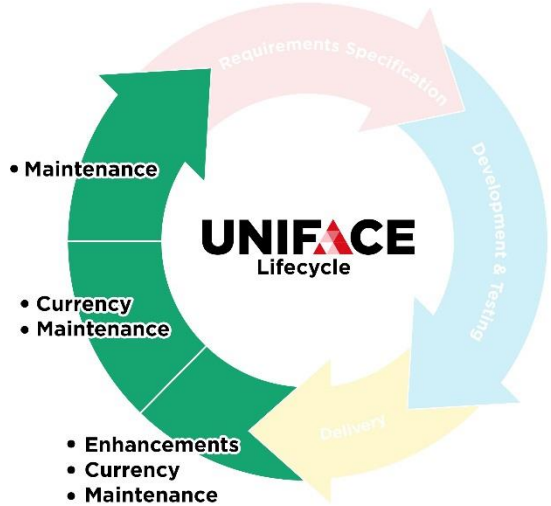
UNIFACE
Advanced Development Technology

Should customers to move to Uniface 10?

- The Uniface 10 repository is not finalized.
- Work to be done which will influence:
  - Implement version control
  - Implement the Uniface 9 ’transplanted’ functionality in ‘native’ v10

- This will require a migration to the final repository
  - Will be automated, low risk, but its work.
  - If customers accept this. There is every reason to start using Uniface 10

Uniface 10 – after September 2016



- Maturing and Expanding functionality
  - Frequent patches delivering fixes and enhancements
  - Frequent migration tooling enhancements
  - IDE performance
    - Large repositories
    - Overall IDE developer experience
- Uniface 10.3 - Planning for September 2017
  - Finalized repository - Structure, optimization and tooling to get there
  - Create table utility
  - Umeta.xml
  - GFP Integration

UNIFACE
Advanced Development Technology

Uniface Community Edition

UNIFACE 10
Community Edition

- Free to use development release
- Encourage new Uniface developers
- Encourage existing customers to use new features
- Encourage new/more Uniface initiatives
  - New applications
  - New additions to the IDE
  - New contributions to samples, GitHub project, etc.
- Expect in 2017 timeframe

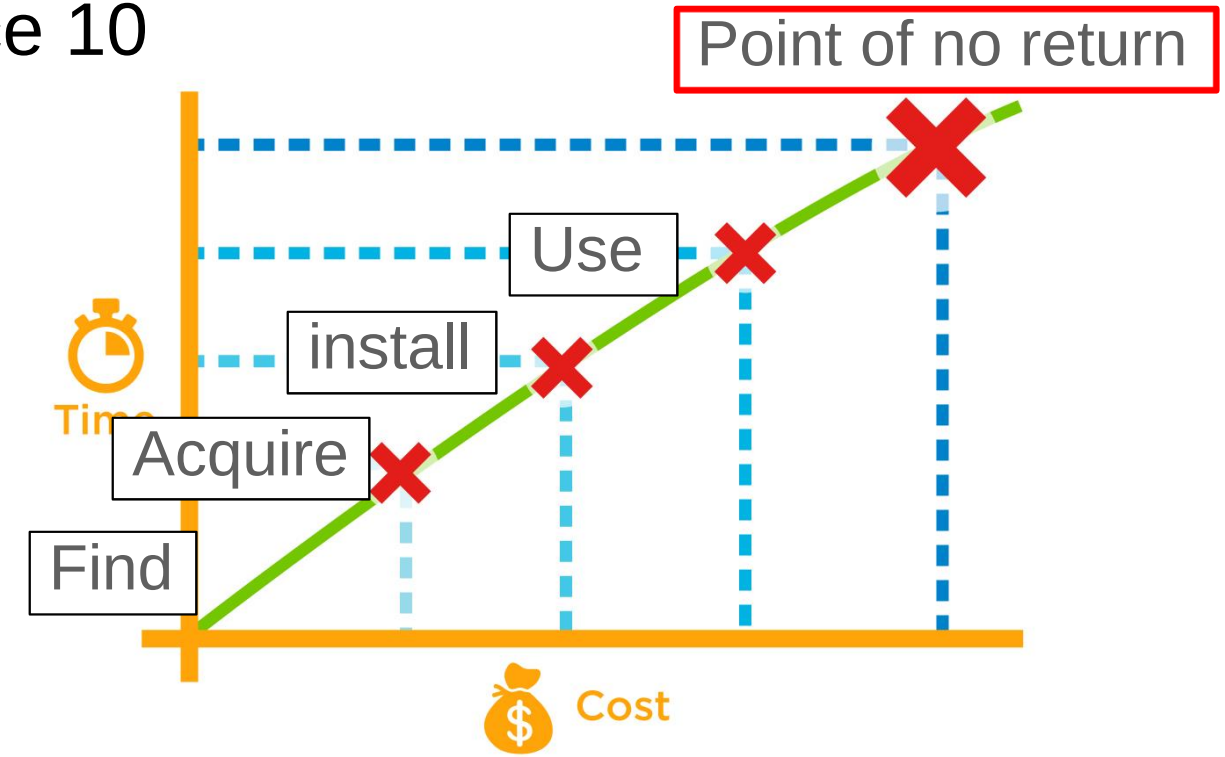
UNIFACE
Advanced Development Technology

Uniface Community Edition (cont)

- Our thinking
  - 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 Community Edition (cont.)

- Free to use development release
- Based on Uniface 10



‘The Uniface trial is such a trial’

UNIFACE
Advanced Development Technology

Uniface 10 – Version Control

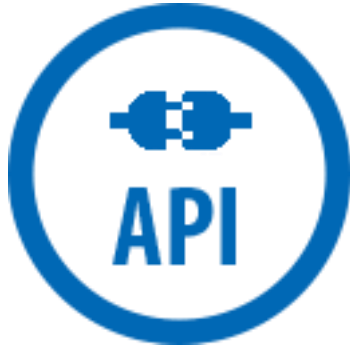
- Next major Uniface 10 project
  - Integrate with GitHub - industry standard tooling
  - Synergies with the Uniface DevConf initiatives
- Closely coupled with Uniface 10 Project functionality
  - Will complete the Uniface 10 repository (10.3)
  - Uniface 10.2 customers will have to migrate to this version
    - Export from Uniface 9.6/7 or Uniface 10.2 repository
    - Import to Uniface 10.3 repository.

UNIFACE
Advanced Development Technology

Uniface 10 – Version Control (Cont.)

- Phase 1 – Workspace support
  - Uniface 10.3 timeframe (delivered by maintenance updates)
  - Ability to import and export from a version control file type
  - Granularity to work as small or as large as required
- Phase 2 Synchronization with Version Control storage
  - Aiming Uniface 10.4 (TBC)
  - Will focus on GitHub (we have previously talked about SVN)
  - Want to use VC client capabilities rather than reinventing the wheel

Uniface 10 – 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 2018 delivery
- Enhanced debugging
  - Need to enhance and expand current debugging capabilities
  - Needs to be graphical, integrated, modern, etc.
  - Planned to begin in 2018, aiming for a phased delivery

UNIFACE
Advanced Development Technology

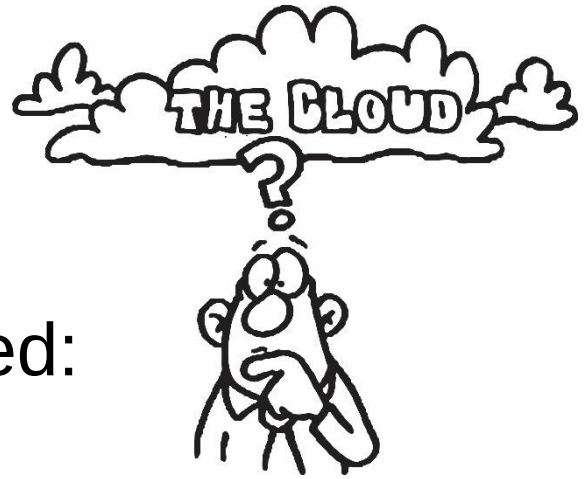
Uniface 10 – IDE enhancements (cont.)

- Code completion
  - Expand the current functionality
  - PROC Script 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.
  - Expect a phased delivery in 2018

Uniface 10 – HTML Forms

- New client server component type
  - Significant investment to client server
  - Enables infinite client server modernization options
- We are planning to start productizing in 2018.
  - It’s a huge project
  - Current internal functionality needs to be ‘productized’
  - Do NOT expect a migration from existing C/S forms

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

UNIFACE
Advanced Development Technology

Uniface Cloud Strategy - Phase 1

- Supporting Linux 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 (Redhat, SUSE, CentOS)
  - Initial Database Support: PostgreSQL and mySQL
  - Adding Oracle and SQL Server
- Delivery
  - Uniface 10 – Uniface 10.2.02/10.3
  - Uniface 9 – Uniface 9.7.04 (July 2017)

amazon web services

Windows Azure

UNIFACE
Advanced Development Technology

Uniface Cloud Strategy - Phase 2

- Supporting Windows: (Uniface server functionality)
  - 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: Windows Server 2016
  - Database Support: Oracle, SQL Server, PostgreSQL, mySQL
- Delivery
  - Uniface 10 – Phase 1 Uniface 10.3
  - Uniface 9 – aiming for Uniface 9.7.05

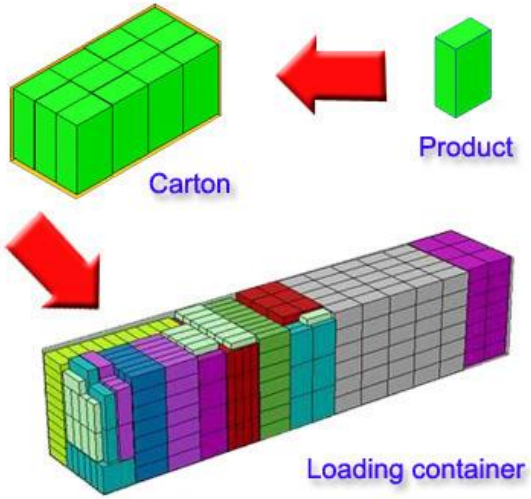
amazon web services

Windows Azure

UNIFACE
Advanced Development Technology

Uniface Cloud Strategy – Phase 3

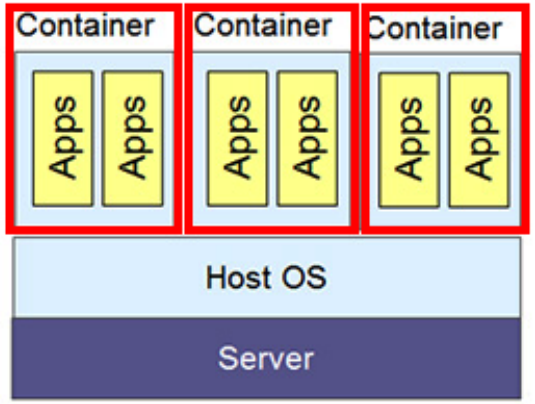
- Container based deployment
  - Containers provide a standard (deployment) approach



  - Consistent, scalable, portable, etc.

Uniface Cloud Strategy – Phase 3 (cont.)

- 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



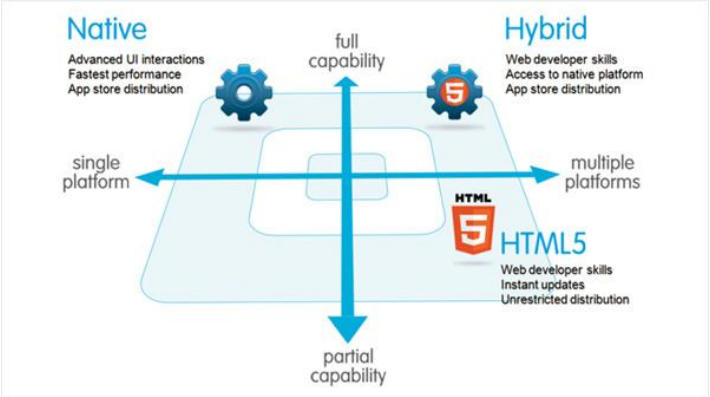
UNIFACE
Advanced Development Technology

Uniface Cloud Strategy – Phase 3 (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.

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



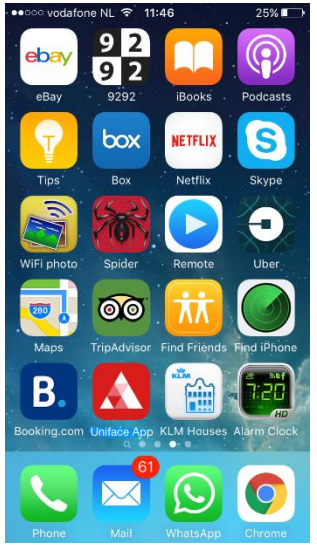
95% of the functionality for 50% of the ***delivery*** cost.

Forrester

UNIFACE
Advanced Development Technology

Mobile – Available now

- 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 installation on mobile devices
  - Enables distribution via app store



UNIFACE
Advanced Development Technology

Mobile – Offline

- Phase 3 – offline application execution
  - Ability include application in compiled app
- Phase 4 – offline application data storage
  - Enable offline storage and synchronization of application data

- Aiming for 2017 delivery
- Delivery version - preference is Uniface 10

THANK YOU & QUESTIONS

UNIFACE
Advanced Development Technology