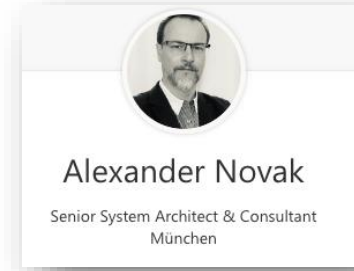




HCL Notes/Domino Version 14 Neuerungen

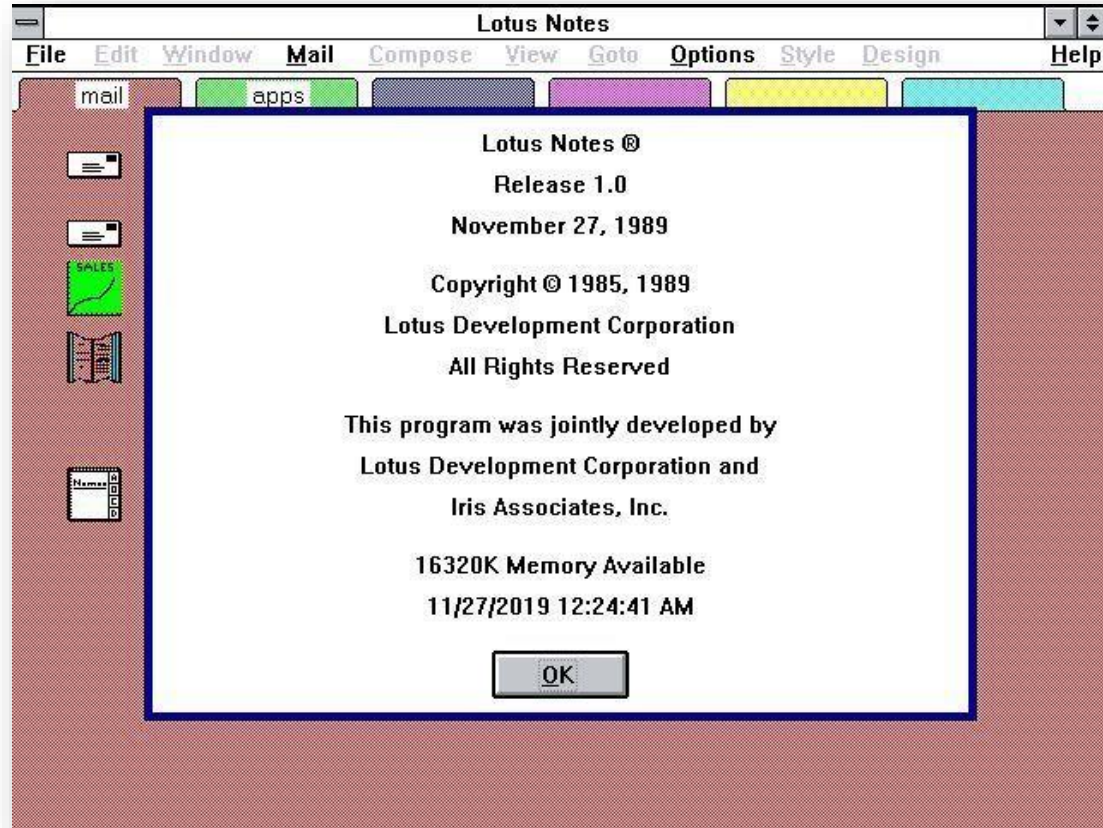


Alexander Novak, alexander.novak@timetoact.de

Timetoact Software & Consulting GmbH, Garmischer Straße 7, 80339 München

#dominoforever

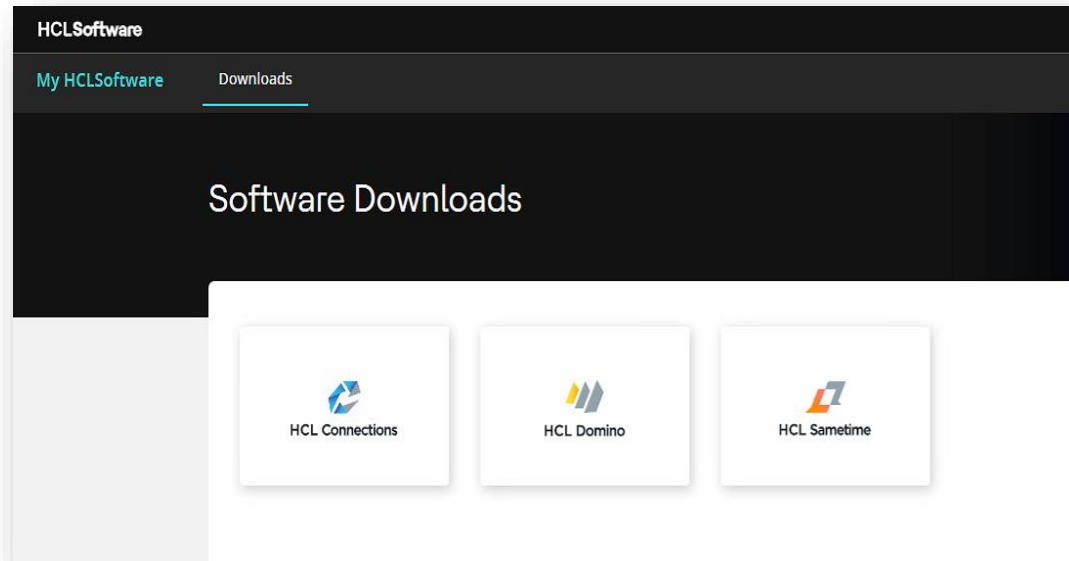
34 Jahre Notes



HCL Notes/Domino 14 **DOWNLOAD**



- Download im HCL **Flexnet** Portal
- **Neues** HCL Software Download **Portal**: <https://my.hcltechsw.com>
 - Domino für Windows, Linux, AIX
 - Notes **Standard** für Windows
 - Notes **Standard** für Mac
 - ~~Notes-Basie~~
 - Designer & Admin Client
 - Sprachenpakete (MUI)
 - Domino on Docker
 - Traveler für Windows, Linux, AIX
 - Traveler on Docker



➤ End of Marketing (EOM) → 1. Dez. 2022



Thomas Hampel (@tha@chaos.social)

@ThomasHampel

Reminder: Domino v9.0.x and v10.0x downloads will disappear from Flexnet on December 1st 2022. You should upgrade to V11 or even better 12.0.2 now #dominoforever

➤ End Of Support (EOS) → 1. Juni 2024

➤ HCL Referenz: <https://bit.ly/3utd2uw>

› Umstellung der HCL **Lizenzierung** auf „per User“ Basis

- › HCL Blog: [Licensing Update: Introducing CCX, External User Entitlements](#)
- › **CCB** = HCL **C**omplete **C**ollaboration **B**usiness Edition (Enterprise Authrozed User)
- › **CCX** = HCL **C**omplete **C**ollaboration **E**Xternal User (External Authorized User)

› Wie genau zählt Domino die Lizenzen ?

- › HCL Präsentation: [CCB User Counting](#)

› Domino 12 **Entitlement Tracking & Reporting** DB

- › Datenbank: **entitlements.nsf**

› Tracking Tool für **ältere** Versionen

- › HCL Doku : [User Report Tool Agent](#)



Entitlement Tracking		Date	Total Users	Managers	Designers	Editors
History		23.11.2021	9	9	0	0
		06.11.2021	9	9	0	0

Domino License Analyse Utility



<https://bityl.co/MuvF>

➤ Version 1.2.1

HCL Domino License Analysis Utility (V1.2.0) Special Note: Running t

Category	Active	All 365 Days
Authorized Users	15	15
CCB Users	15	15
Person Documents	25	25
Mail Users	12	12
Deny Access Groups	0	0
Deny Access Users	0	0

Administration Server
NoviTestSrv/novitest

All Domino Servers in Environment
NoviTestSrv/novitest (Available)

Entitlement Tracking Enabled Servers
NoviTestSrv/novitest

- DLAU 1.2.0 zählt CCX User als CCB - <https://bityl.co/Mx40>
- Probleme mit DA (Anwendungslink) - <https://bityl.co/Muvz>
- DLAU mit verschiedenen Domänen - <https://bityl.co/Muw3>

HCL Notes Client



HCL Domino
Admin

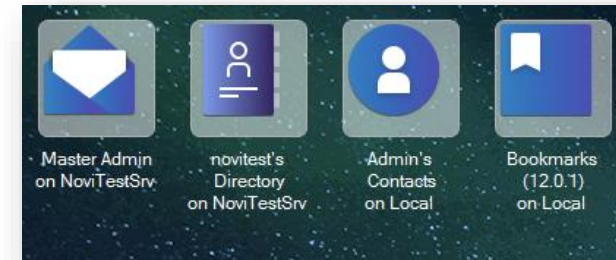


HCL Domino
Designer



HCL Notes

- › Format der Absenderadresse anpassen (z.B. Internet Adresse)
- › Alternative Mailadressen für Mail-in Datenbanken
- › **V12.0.1** Wiederherstellung einer archivierten Nachricht aus dem Mailarchiv
- › Domino Online Meeting Integration (DOMI)
 - › Notes Client **V12.0.1** in der mail12.ntf Schablone
- › **V12.0.1** Advanced Property Box
 - › Suche nach Feldern und Werten
 - › **PRO** Version mit Bearbeitungsfunktion
- › modernes Userinterface, überarbeiteter Workspace
- › **V12.0.2** Domino Restyle
 - › Modernisierung der eigenen Domino Anwendung



What's new in HCL Notes Client Version 14



<https://bitly.co/Muwb>

What's new in HCL Notes 14.0

Learn about the many new features and enhancements in HCL Notes® 14.0.

Mail improvements

Notes 14.0.0 provides the following Mail capabilities:

Calendar improvements

HCL Notes 14.0.0 provides the following enhancements for Calendar:

Workspace improvements

Notes 14.0.0 provides the following enhancements for the Workspace:

Notes Federated Login improvements

Notes 14.0.0 provides the following enhancements for Notes Federated Login:

General enhancements

The following enhancements are provided in Notes 14.0.0.

Performance improvements

Notes 14.0.0 provides the following performance improvements.

Domino Restyle enhancements

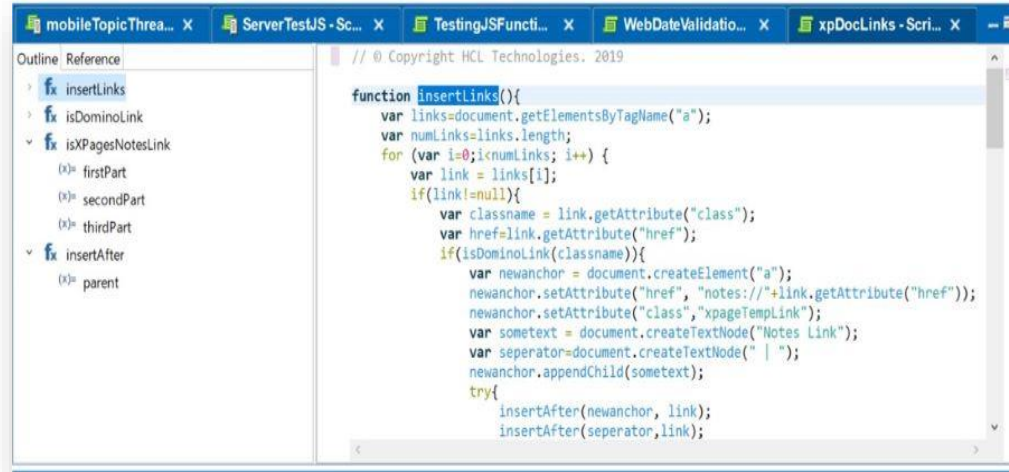
Domino Restyle updates an application's UI elements with a color-coordinated, cleaner look and feel. The following enhancements are supported by Notes 14.0.0:

- What's new in HCL Notes 14
 - What's new in HCL Notes 14.0**
 - Mail improvements
 - Calendar improvements
 - Workspace improvements
 - Notes Federated Login improvements
 - General enhancements
 - Performance improvements
 - Domino Restyle enhancements
 - Components no longer included in Notes 14.0.0

HCL Notes 14 News - UPDATES

➤ Java Update 8 → **17 (IBM Semeru)**

➤ Verbesserter **Java-Script Editor**



```
// © Copyright HCL Technologies. 2019

function insertLinks(){
    var links=document.getElementsByTagName("a");
    var numLinks=links.length;
    for (var i=0;i<numLinks; i++) {
        var link = links[i];
        if(link!=null){
            var classname = link.getAttribute("class");
            var href=link.getAttribute("href");
            if(isDominoLink(classname)){
                var newanchor = document.createElement("a");
                newanchor.setAttribute("href", "notes://" +link.getAttribute("href"));
                newanchor.setAttribute("class", "xpageTempLink");
                var sometext = document.createTextNode("Notes Link");
                var seperator=document.createTextNode(" | ");
                newanchor.appendChild(sometext);
                try{
                    insertAfter(newanchor, link);
                    insertAfter(seperator,link);
                }
            }
        }
    }
}
```

➤ Eclipse Update 4.6 → **4.22**

➤ Neue Eigenschaften & APIs für die Platform & Equinox

➤ Neue Eigenschaften für Java & Plug-in

➤ Compiler C++ Update von Visual Studio 2017 → **VC 2022**



<https://bitly.co/Muwh>



HCL Notes Client Plattformen



- ▶ **Apple M1/ARM** Support: [Notes 11.0.1 FP3+](#)
- ▶ **MacOS V12/Monterey** Support: [Notes 11.0.1 FP4+, 12.0.1](#)
- ▶ **MacOS V13/Ventura** Support: [Notes 11.0.1 FP7+, 12.0.2](#)
- ▶ **MacOS V14/Sonoma** Support: Notes 12.0.2FP2+, Notes 14.x
 - ▶ Probleme mit Notes 11 und 12 - friert nach dem Start ein (<https://bityl.co/Mr5c>)
- ▶ **Windows 11** Support: [Notes 11.0.1 FP4+, 12.0.1](#)
- ▶ **Sametime** embedded ist nun in der Version **12.0.1**

Provider	Feature Name	Version
IBM	Platform Help	10.0.0.20231103-1919
IBM	Portlet Container Branding	10.0.0.20231103-1919
IBM	Sametime Application	12.0.1.20231026-1417
IBM	XPages Extension Library Designer Feature Source Plug-in	12.0.2.v00_00_20231109-0632
IBM	XPages Extension Library Feature Source Plug-in	14.0.0.v00_00_20231104-0931

HCL Notes 14 News - CLIENT



➤ HCL Notes Version 14 wird **nur noch** mit reinen **64 Bit Clients** ausgeliefert

➤ Windows

➤ Mac (seit Version 10)



➤ **Prüfung** auf Kompatibilität / Tests **erforderlich**

➤ <https://bityl.co/Mr7F>

➤ 3rd Party Produkte

➤ Office Integration / OLE

➤ ExtMgr Plugins (z.B. Antivirus)

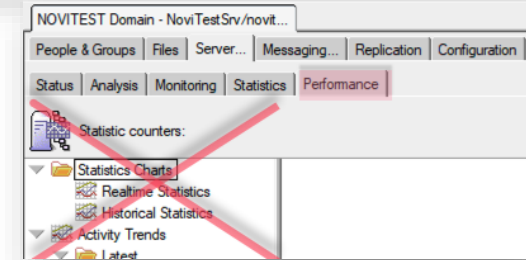
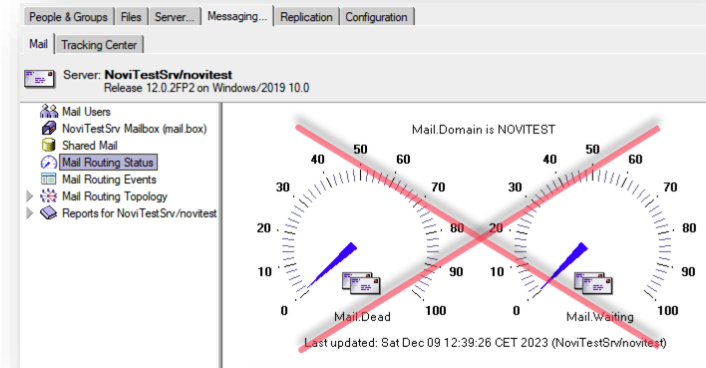


➤ **Entfernung** von **Tools** im Admin Client

➤ Java Applet für Mailrouting Statistik

➤ Leistungsmonitor

➤ „health monitoring“





- › Wie **aktualisiere** ich meinen Notes Client ?
- › Notes 9.0.x **32-bit** zu Notes **12.0.2/14 64-bit** Installationsanleitung
 - › <https://bityl.co/Mr6K>
 - › **Deinstallation** notwendig → Notes Install Cleanup Executable (**NICE**) tool
- › HCL Domino 14 Autoupdate
 - › <https://bityl.co/Mr7N>
 - › Download der Software von Flexnet
 - › **Auto-Upgrade** support für Notes 32-bit zu Notes 64-bit (**AUT = NotesAutoUpdate**)
- › Panagenda Webinar: HCL Notes 14 Upgrades einfach gemacht
 - › <https://bityl.co/Mr7g>
 - › Panagenda Marvel Upgrade

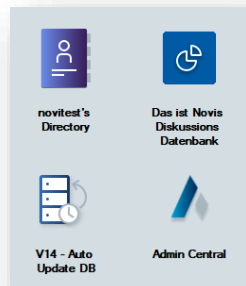
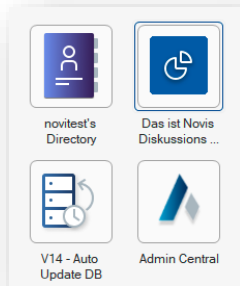
HCL Notes 14 News - WORKSPACE

› Strukturierung der **Vorgabe**optionen

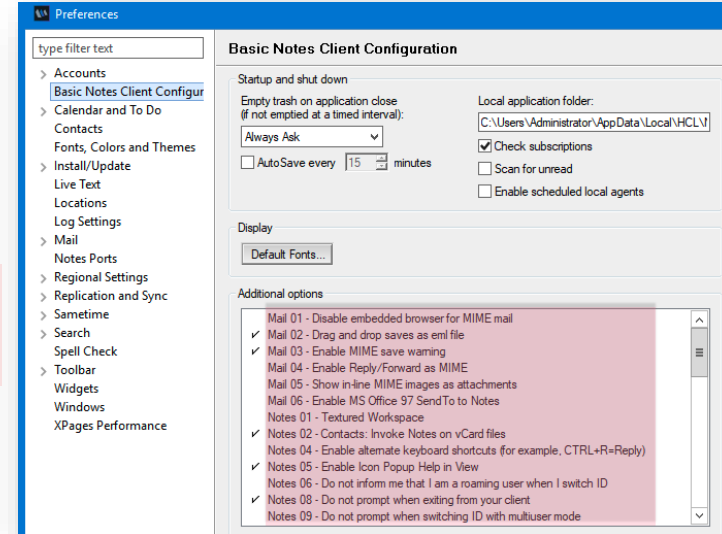
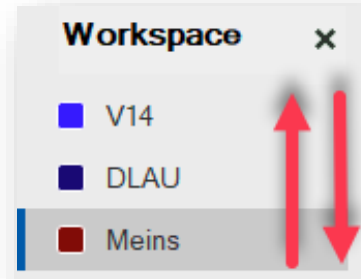
- › Mail, Notes, Print, View, Edit, Java

› Neue Optionen

- › Notes 19 - Do not show borders on Workspace icons
- › Notes 20 - Show long database names on Workspace icons

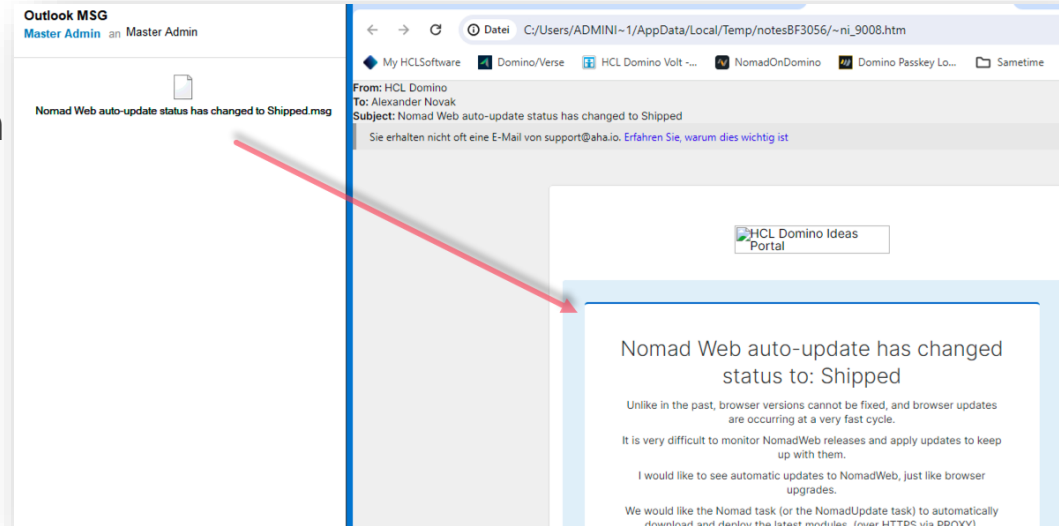


› Reorganisierung von Arbeitsbereichen



HCL Notes 14 News - MAIL

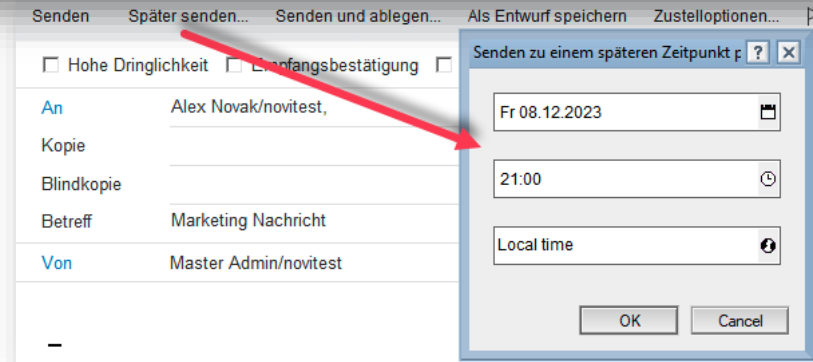
➤ Outlook **.msg** Anhängen können via Notes Viewer angezeigt werden



➤ Erleichterung beim Versenden von „scheduled mail“

➤ „Send later“ vs. Eigenschaften (V12)

➤ **mail14.ntf** wird benötigt



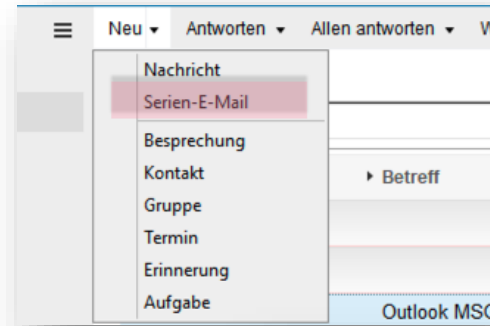
HCL Notes 14 News - MAIL



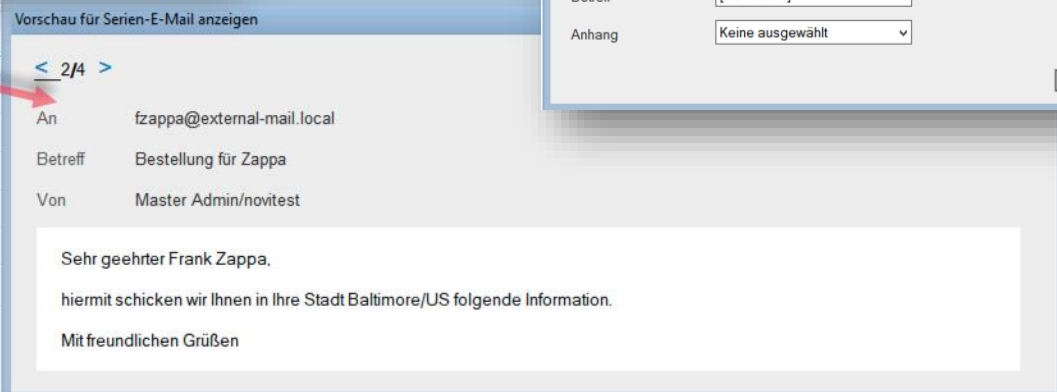
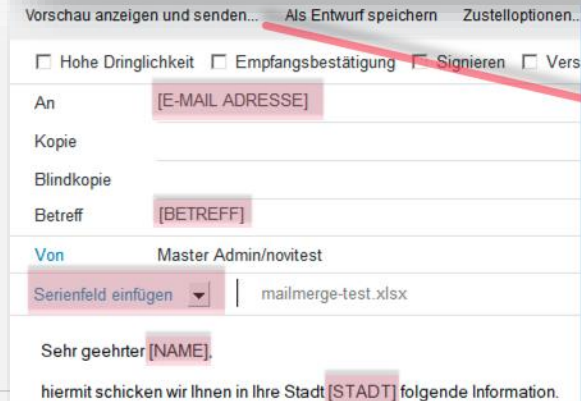
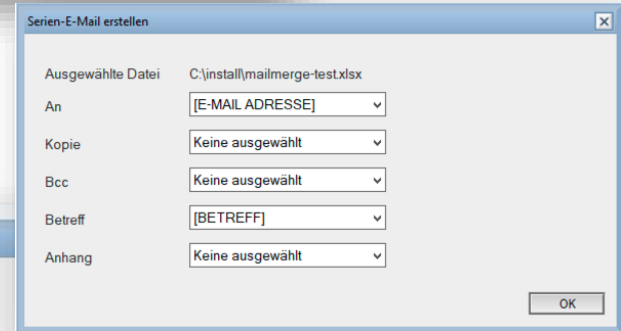
<https://bityl.co/MrAs>

➤ Mail Merge / Serien E-Mail

- **mail14.ntf** wird benötigt
- Versand von **Serien-Nachrichten** mit angepassten Werten (Excelliste)

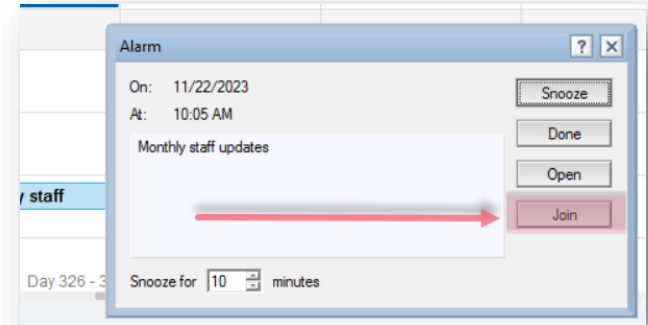
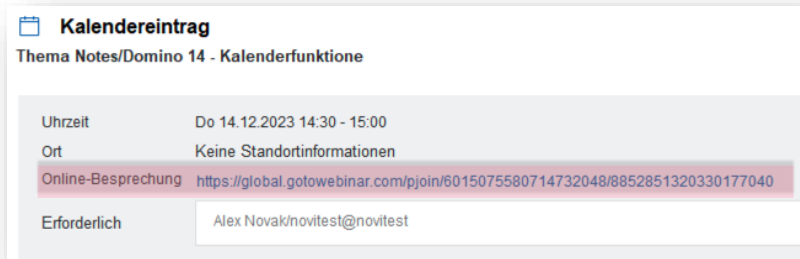


	1	2	3	4
1	Name	E-Mail Adresse	Stadt	Betreff
2	Alexander Novak	anovak@e-mail.local	Pfaffenhofen	Bestellung für Novak
3	Frank Zappa	fzappa@external-mail.local	Baltimore/US	Bestellung für Zappa
4	Lischen Müller	lmuller@mail-external.local	München	Bestellung für Müller
5	Angelika Schmidt	aschmidt@mail-de.local	Hamburg	Bestellung für Schmidt

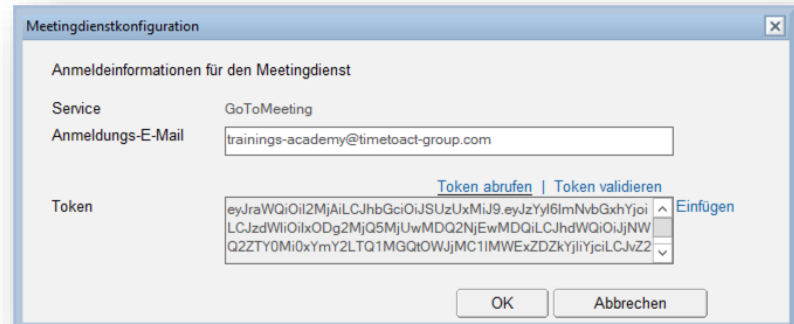


HCL Notes 14 News - KALENDER

- **Join/Teilnehmen** Option bei Meeting Benachrichtigungen
 - Online Meeting Informationen müssen enthalten sein



- **Erleichterung** der **DOMI** Einrichtung für externe Meeting Provider
 - Kein „copy/paste“ notwendig beim Abruf des Tokens von Teams, Webex, GoTo
 - Notes.ini: **DOMI_OAUTH_VERSION=2**



› Proxy Support für Online Meetings

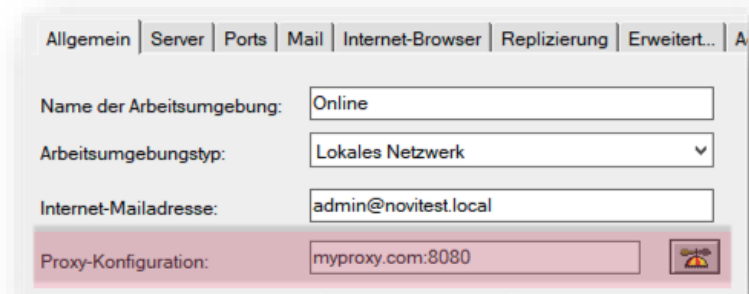
› Prio 1: neue LotusScript Methoden

- › SetProxy
- › SetProxyUser
- › ResetProxy

› Prio 2: Umgebungsvariablen

- › `http_proxy=http://some.server.dom:port/`
- › `https_proxy=http://some.server.dom:port/`
- › `no_proxy=domain1.dom, host.domain2.dom`
- › `all_proxy=http://some.server.dom:port/`

› Prio 3: Notes Arbeitsumgebungsdocument



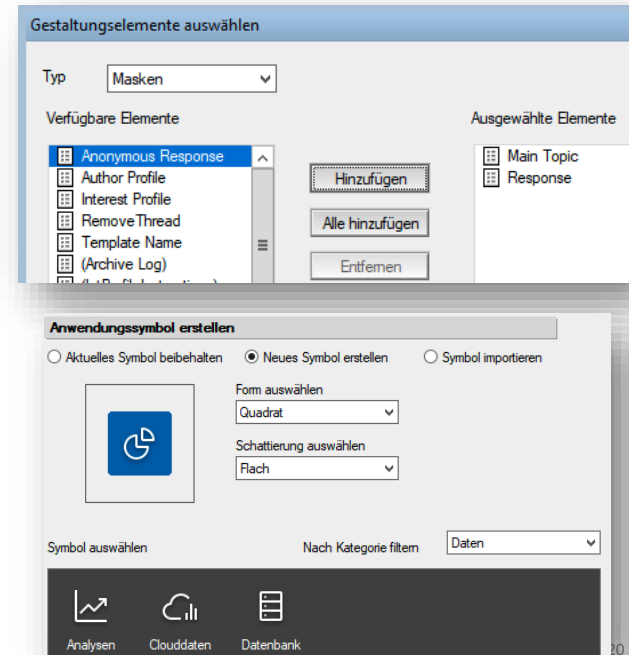
- ▶ Notes Federated Login (NFL) support für verkettete („**changed**“) Identity Providers
- ▶ Notes Federated Login (NFL) Einstellung um ID Anmeldung (lokal) **zu verhindern**
 - ▶ Notes.ini: **MakeNFLMandatory=1**
- ▶ Deaktivierung des LotusScript Debugger via Richtlinie

▶ Domino Restyle Erweiterungen

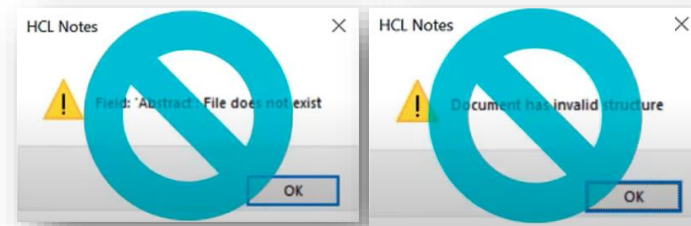
- ▶ shared fields & shared columns
- ▶ Auswahl von einzelnen Elementen
- ▶ Auswahl von DB Symbolen/Icon (auch Import möglich)
- ▶ Hilfe/About Dokument



<https://bitly.co/MtJS>



- ▶ Support für **64k Feldgröße** für das **E-Mail Body** Feld
 - ▶ Ältere Version Begrenzung **32k Größe**
 - ▶ **Fehlermeldungen** beim Erreichen der Feldgrenze
 - ▶ Muss via **Compact** Option umgestellt werden
- ▶ **Bessere Anzeige** von **Bildern** in E-Mails (Body)
 - ▶ Client Support der **Server Name Indication** (SNI) Erweiterung im TLS Protokoll
 - ▶ Bilder können nun von SNI Webseiten in „**high resolution**“ geladen werden
- ▶ **64-bit Client** Support für „**long arrays**“ in Lotuscript
 - ▶ Ist per Vorgabe aktiv, damit der Code **funktioniert**
 - ▶ Notes.ini: **DoubleAsPtrForClientW64=1**



```
Sub Initialize
Dim arr(0 To 1) As long
arr(0) = 1
arr(1) = 2
Print arr(0) & ", " & arr(1)
End Sub
```



➤ 3rd Party plugin Signatur

➤ <https://bityl.co/Mxyz>

➤ **Java.security blockiert** SHA1 signierte Zertifikate

KB0109288 - Troubleshooting Send feedback

Installing custom or third-party plugins in Notes 14.0 show as not signed

📅 updated 13h ago • 👁 35 Views • ★★★★★

Applies to

HCL Notes 14.0

Issue

When installing plugins in Notes 14.0, you may get a prompt saying, "The system is trying to install or update a plug-in. The following plug-in is not signed. This means that you cannot be sure of the origin of the code. Installing or updating unsigned code exposes your system to risk."

These plugins used to work with older versions of Notes.

Resolution

Sign the plugins with a trusted certificate using a supported hash algorithm, like SHA256.

Notes/Domino V14 Sicherheitslücke



Code Injection Vulnerability in der OpenSSL Komponente von IBM Semeru Java

- Betrifft **Java Code** der ein **sicherere Verbindung** (TLS) aufruft
- HCL Notes 14 - <https://bityl.co/MuyX>
- HCL Domino 14 - <https://bityl.co/MuyW>

KB0109190 - Security Bulletin

[Send feedback](#)

Security Bulletin: HCL Domino is affected by a Code Injection Vulnerability in the OpenSSL component used by IBM Semeru Java

updated 4d ago · 286 Views · ★★★★★

Summary

A vulnerability in the the OpenSSL component used by IBM Semeru Java impacts HCL Domino. Customers should take the mitigation steps outlined below to address the exposure.

Vulnerability Details

CVE-ID: CVE-2023-4807

Description: Issue summary: The POLY1305 MAC (message authentication code) implementation contains a bug that might corrupt the internal state of applications on the Windows 64 platform when running on newer X86_64 processors supporting the AVX512-IFMA instructions. Impact summary: If in an application that uses the OpenSSL library an attacker can influence further the POLY1305 MAC algorithm used the application state might be corrupted with unpredictable consequences. The POLY1305 MAC (message authentication code)

Affected products and versions

HCL Domino version 14.0 is affected. Earlier versions are not impacted.

Remediation/fixes

A fix will be available in an upcoming release of HCL Domino. The issue is being tracked via SPR #EPORCY4LAT. See the workarounds and mitigations below.

Workarounds and Mitigations

Note that the impact of this vulnerability is limited to processors running Microsoft Windows that support the AVX512-IFMA instruction set.

This vulnerability can be exposed in two ways.

1) Java code that creates secure network connections using TLS.

Support for the impacted algorithms can be disabled using a configuration parameter. To do this,

- locate the file "java.security" in the <Domino>\jvm\conf\security directory
- add "CHACHA20_POLY1305" to the jdk.tls.disabledAlgorithms property, see example below. This will cause a TLS handshake that requires CHACHA20_POLY1305 to fail.

```
jdk.tls.disabledAlgorithms=SSLv3, TLSv1, TLSv1.1, RC4, DES, MD5withRSA, \
DH keySize < 1024, EC keySize < 224, 3DES_EDE_CBC, anon, NULL, CHACHA20_POLY1305
```

2) Third party applications that leverage the impacted algorithms directly through Java Crypto support.

It is recommended that any such applications be updated to avoid using these algorithms or to stop using the applications altogether until an update that addresses the issue is released and deployed.



➤ Probleme mit Mail/Office365 Einladungen

➤ *Einladungen* werden *nicht korrekt konvertiert*

➤ Aktueller Workaround

➤ Notes.ini: **ICAL_SendAsMultipartRelated=0**

➤ Empfang von O365: Domino 12 Server

➤ HCL KB: [Meeting confirmation is in plain text](#)

➤ **FIX 12.0.1** *SPR# JJMSC3UBQ3*

➤ Versand an O365: Notes 12 Client oder Domino 12 Server

➤ HCL KB: [O365 Users receiving iCalendar or Plain text invitation](#)

➤ **FIX still open** *SPR# JMEAC68LQU*

Test 2



To

We removed extra line breaks from this message.



[CAUTION: This Email is from outside the Organization. Unless you trust the sender, Don't click on links and compromise your Computer.]

```
BEGIN:VCALENDAR
X-LOTUS-CHARSET:UTF-8
VERSION:2.0
PRODID:-//Lotus Development Corporation//NONSGML Notes 12.0//EN_C METHOD:REQUEST
DTSTART:19501105T020000
TZOFFSETFROM:-0400
TZOFFSETTO:-0500
RRULE:FREQ=YEARLY;BYMINUTE=0;BYHOUR=2;BYDAY=1SU;BYMONTH=11
END:STANDARD
BEGIN:DAYLIGHT
DTSTART:19500312T020000
TZOFFSETFROM:-0500
```



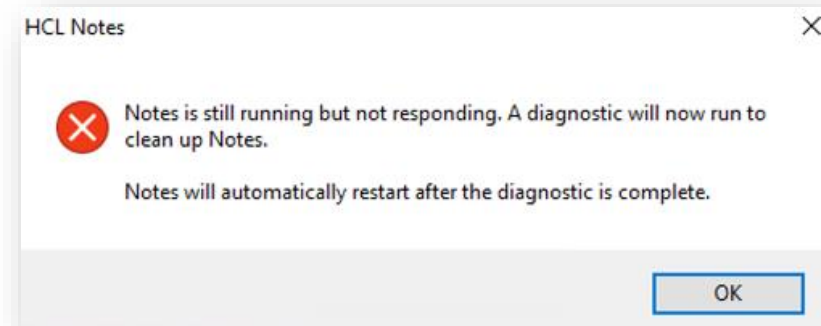

› 64Bit Client - Array Problem

› <https://bit.ly/3BhYOAF>

› Probleme mit Admin Installation “Notes is still running“ 64 Bit only ?

› <https://bit.ly/3hjF8pa>

› **FIX 12.0.2FP1** *SPR# HNAKCLP57F*



› Template Fixes

› **12.0.1** <https://bit.ly/co/MuzQ>

› **12.0.2** <https://bit.ly/co/MuzT>



HCLVerse



ARS

 CLOUDPILOTS

edcom

 GIS

 novaCapta

 synaigy

 TIMETOACT

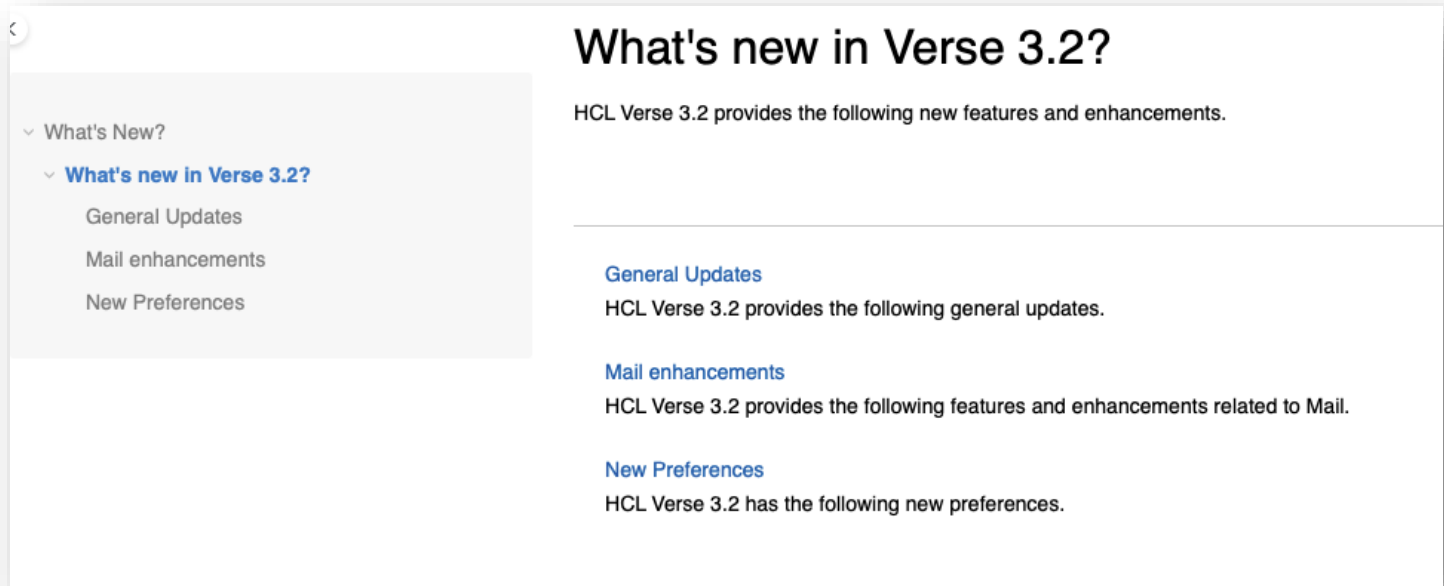
X-INTEGRATE

What's new in HCL Verse 3.x



<https://bityl.co/Muza>

▶ HCL Verse 3.1 wird mit HCL Domino 14 ausgeliefert



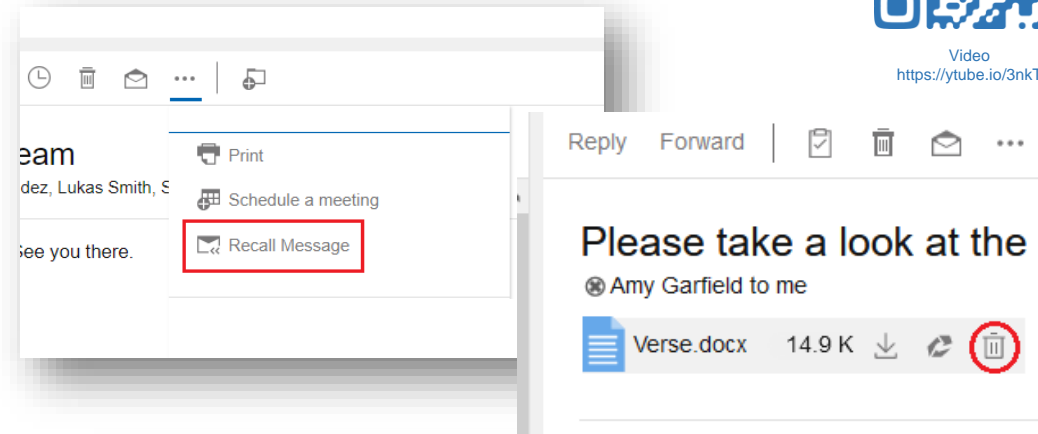
The screenshot shows a web page titled "What's new in Verse 3.2?". On the left is a navigation menu with a back arrow at the top. The menu items are: "What's New?", "What's new in Verse 3.2?" (highlighted in blue), "General Updates", "Mail enhancements", and "New Preferences". The main content area on the right has the title "What's new in Verse 3.2?" and a sub-header "HCL Verse 3.2 provides the following new features and enhancements." Below this, there are three sections: "General Updates" with the text "HCL Verse 3.2 provides the following general updates.", "Mail enhancements" with the text "HCL Verse 3.2 provides the following features and enhancements related to Mail.", and "New Preferences" with the text "HCL Verse 3.2 has the following new preferences."

HCL Verse 3.x **NEUERUNGEN**



Video
<https://ytube.io/3nkT>

- **V3.1** Stationary/Vorgaben
- **V3.1** Online – Sametime Status im Kalender
- **V3.1** Online Meeting Vorgaben
 - URL, Username, Pwd
- **V3.1** Recall Mail
- **V3.1** Remove Attachment from mail



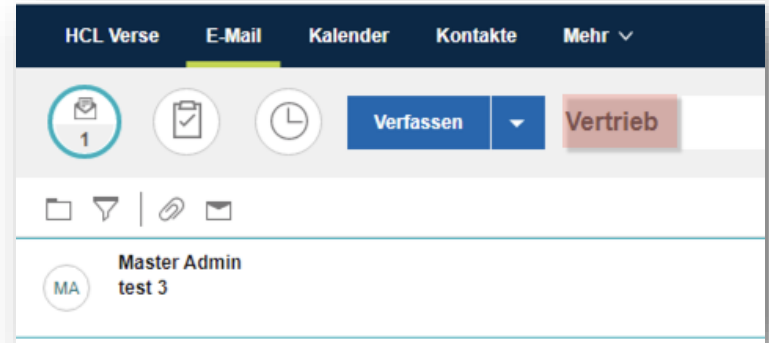
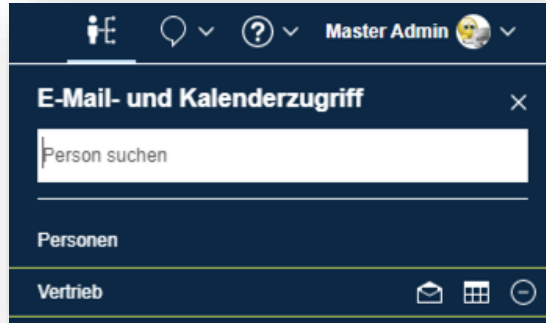
- **V3.1** „Tell http osgi verseversion“

```
osgi> Verse Version: 3.2.0 Build: 20563-840
```

- Wird nur angezeigt wenn jemand an der Verse UI angemeldet ist !
- **V3.2** “mark private“ Markierung von Nachrichten (kein copy/forward möglich)

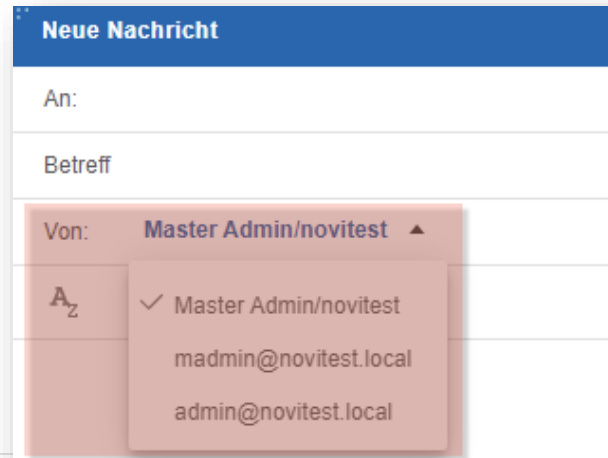
HCL Verse 3.x **NEUERUNGEN**

➤ Zugriff und Öffnen von **Mail-in DBs**



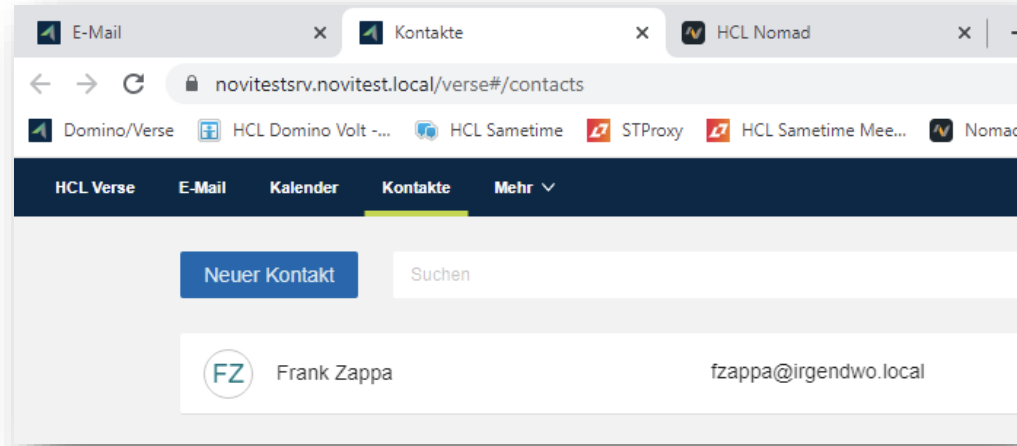
➤ **Alternative Adressen**

- Domino Server V 12+
- **V12.0.2+** auch für Mail-in DBs

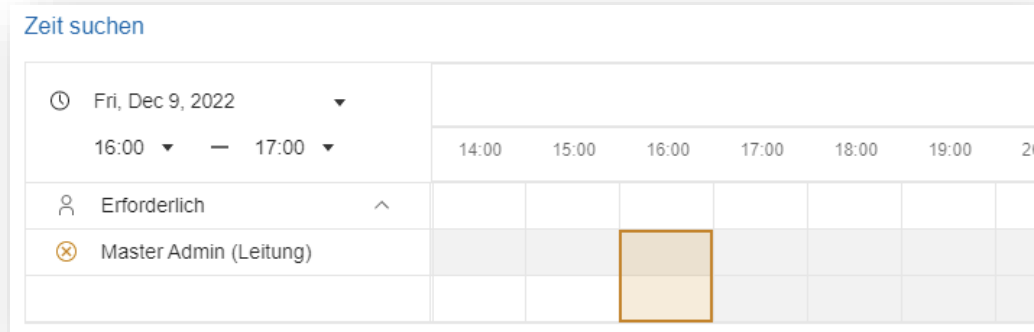


HCL Verse 3.x **NEUERUNGEN**

➤ **V3.1** Neue Verse **Kontakt**oberfläche



➤ **V3.1** Freie Zeit Suche Menü



HCL Verse 3.x NEUERUNGEN

➤ V3.1 File Preview

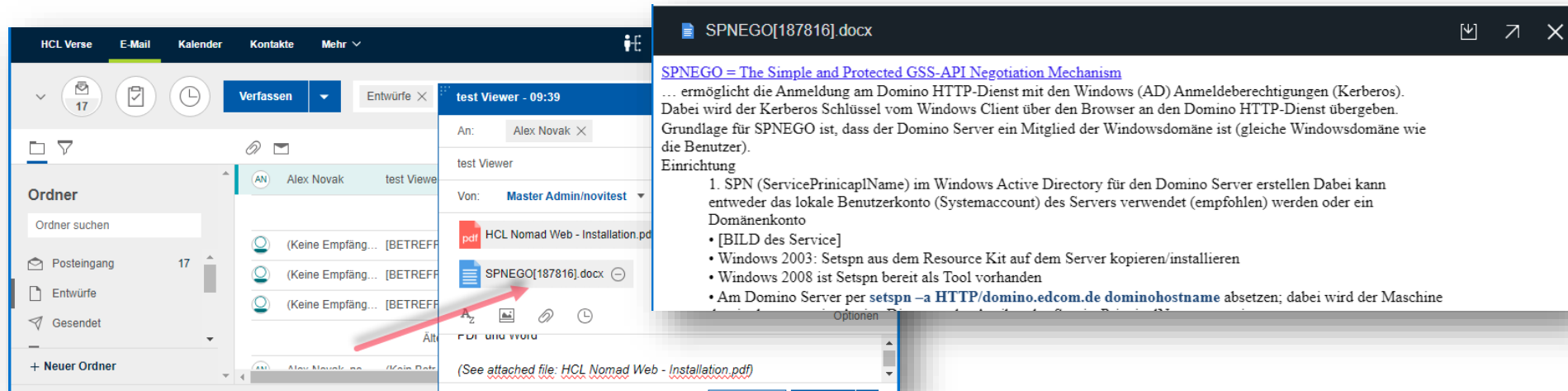
- Domino Backend Version 12.0.2+ wird benötigt
- Domino Access Service = [transmute](#)
- Connections DocViewer muss deaktiviert werden

➤ **VOP_LLN2_BSSUISERVER_URL=https://myconnectionserver.local**

Domino Access Services

The following setting is a place holder for services provided by an external plug-in.

Enabled services: Data, Calendar, Mail, FreeBusy, transmute



The screenshot shows the HCL Verse interface with an email preview and a document preview. The email is from Alex Novak and contains an attachment named 'SPNEGO[187816].docx'. The document preview shows the title 'SPNEGO = The Simple and Protected GSS-API Negotiation Mechanism' and a list of instructions for setting up SPNEGO on a Domino server.

SPNEGO[187816].docx

SPNEGO = The Simple and Protected GSS-API Negotiation Mechanism

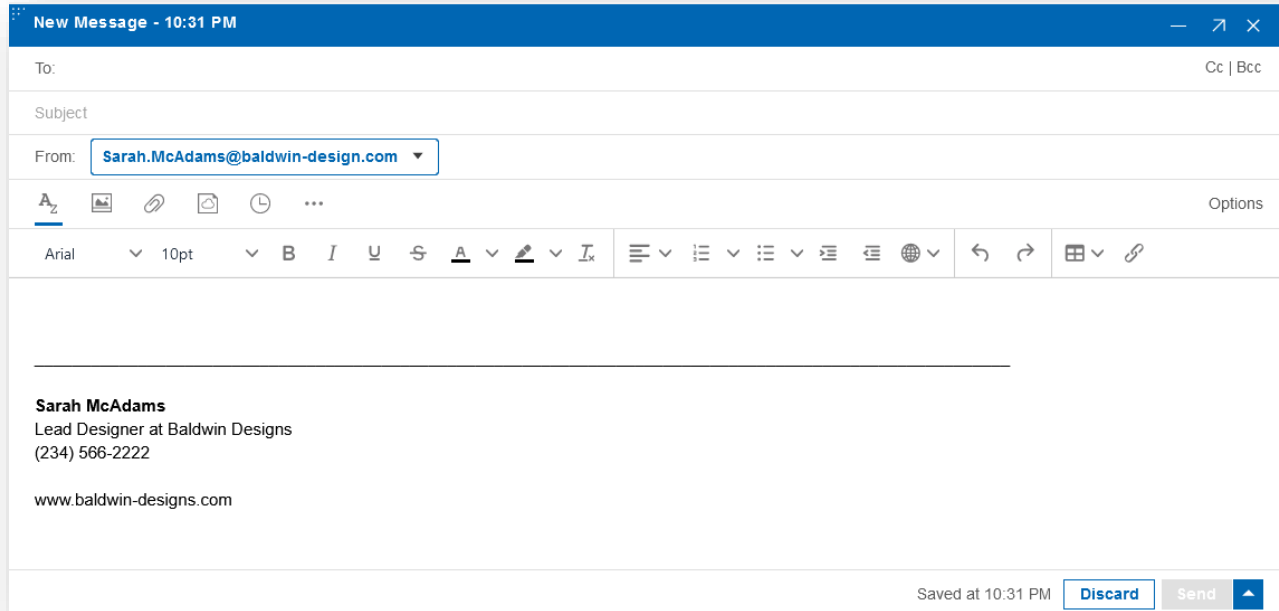
... ermöglicht die Anmeldung am Domino HTTP-Dienst mit den Windows (AD) Anmeldeberechtigungen (Kerberos). Dabei wird der Kerberos Schlüssel vom Windows Client über den Browser an den Domino HTTP-Dienst übergeben. Grundlage für SPNEGO ist, dass der Domino Server ein Mitglied der Windowsdomäne ist (gleiche Windowsdomäne wie die Benutzer).

Einrichtung

1. SPN (ServicePrincipalName) im Windows Active Directory für den Domino Server erstellen Dabei kann entweder das lokale Benutzerkonto (Systemaccount) des Servers verwendet (empfohlen) werden oder ein Domänenkonto
 - [BILD des Service]
 - Windows 2003: Setspn aus dem Resource Kit auf dem Server kopieren/installieren
 - Windows 2008 ist Setspn bereit als Tool vorhanden
 - Am Domino Server per `setspn -a HTTP/domino.edcom.de dominohostname` absetzen; dabei wird der Maschine

HCL Verse 3.x NEUERUNGEN

- ▶ **V3.2** neuer Editor zum Erstellen einer neuen Nachricht
 - ▶ **CKEditor** wurde ersetzt → **End of Live** CKEditor V4
 - ▶ Durch **TinyMCE** Editor



› Support für HCL **Connections 8**

- › Dokumenten Anzeige
- › Dateien
- › Profile

› & **Sametime 12**

- › Browserchat

HCL Connections

Support for HCL Connections 8 for file preview, files storage and profile information

HCL Sametime

Support for the latest version of Sametime 12.0.1 FP1



HCL Connections



HCL Sametime

HCL Verse mobile

➤ Benutzung **mehrerer Postfachkonten/Accounts**

➤ <https://bitly.co/Mv0T>

➤ HCL Verse 14 für **Android**

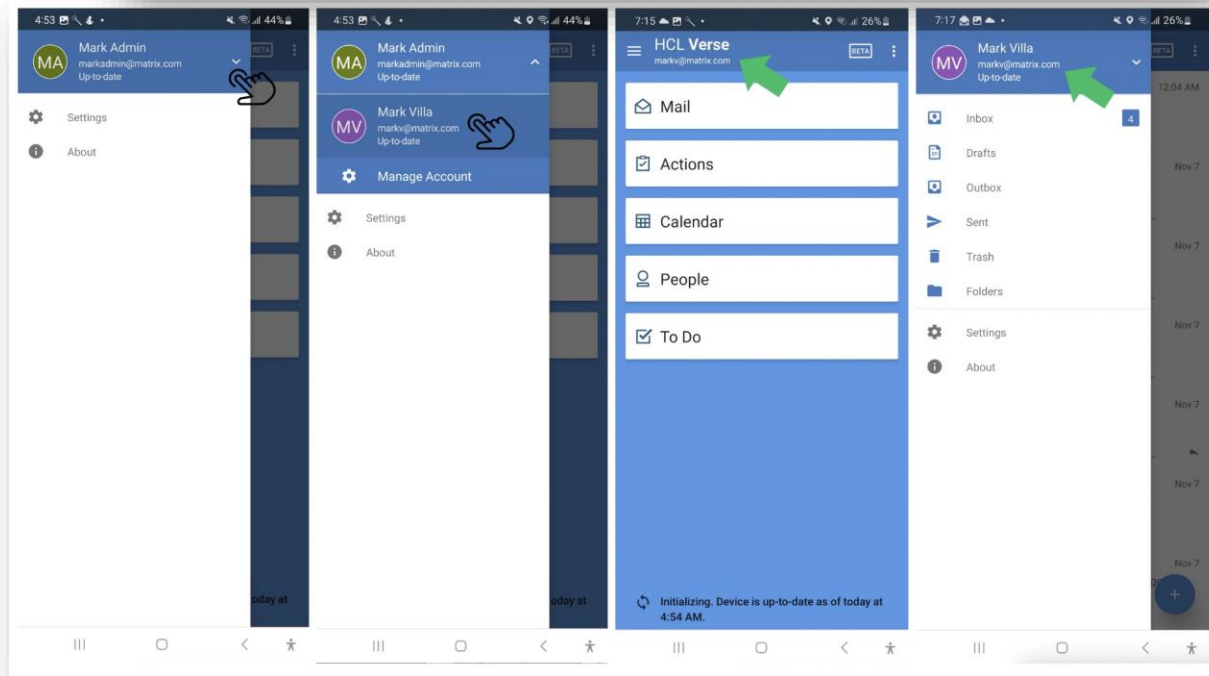
➤ Aktuell nur **Beta**

Multiple account support for HCL Verse Android is now available in Beta



by Analyn Policarpio Comrade

created about a month ago (edited about a month ago) in [Notes/Domino](#)





HCL Nomad



ARS

 CLOUDPILOTS

edcom

 GIS

 novaCapta

 synaigy

 TIMETOACT

X-INTEGRATE

What's new in HCL Nomad Web 1.0.10 ?



<https://bityl.co/Mv8a>

► Version 1.0.9 wird mit HCL Domino 14 ausgeliefert

What's new in HCL Nomad for web browsers

HCL Nomad for web browsers 1.0.x User
Documentation

What's new in HCL Nomad for web browsers

System requirements

> Using Nomad for web browsers

> Troubleshooting and limitations

Administering Nomad for web browsers

▼ Release 1.0.10

- **Nomad Designer**

Use HCL Nomad Web to design Notes databases. For more information, see [Designer](#).

- **Send mail offline**

Sending mail offline via a local mail.box is now supported. For more information, see [Offline mode](#).

- **Support for HTTP connections**

Nomad server on Domino supports HTTP connections in addition to the previously supported HTTPS connections. For more information, see the section on "Connect to reverse proxy through HTTP protocol" in the [Nomad administrator documentation](#).

- **Support for optional HTTP headers**

Nomad server on Domino supports adding optional HTTP headers to the response.

- **Support for Let's Encrypt flows**

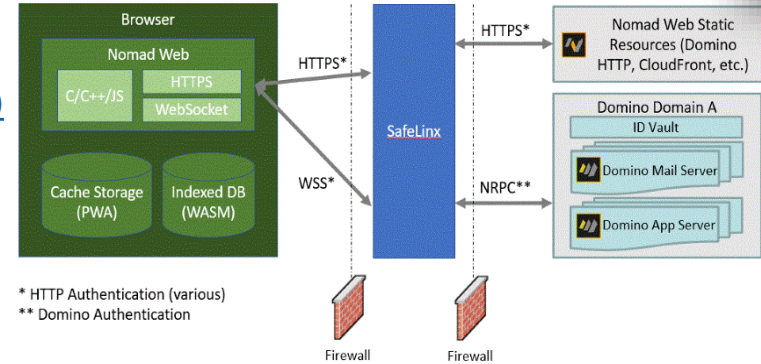
Nomad server on Domino supports the Let's Encrypt flows for certificate handling. For more information, see the section on "Support Let's Encrypt HTTP-01 challenge requests" in the [Nomad administrator documentation](#).

- **Added language support**

HCL Nomad for web browser

Installation via HCL SafeLinX

- HCL Doku: [Setting up HCL Nomad Web Proxy \(SafeLinX\)](#)
- Zugriff über den Nomad Web Proxy (Tunnel 443) bzw. HCL SafeLinX 1.x



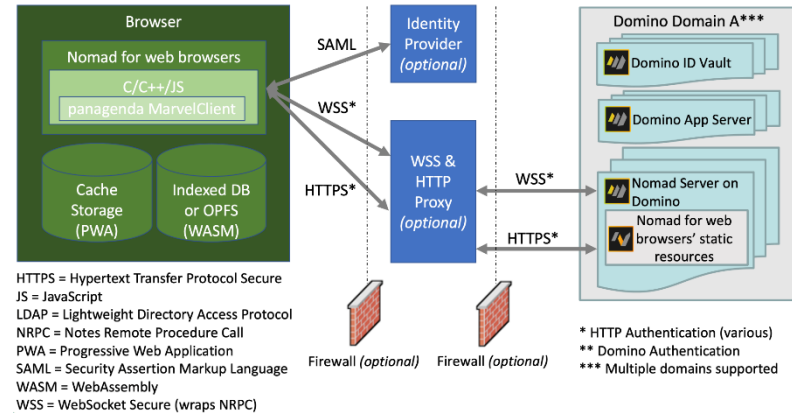
* HTTP Authentication (various)
** Domino Authentication

Installation auf HCL Domino 12.0.1/12.0.2

- HCL Doku: [Setting up HCL Nomad on Domino](#)
- Domino Dienst “nomad“ via https://:9443

Laufende CCB Lizenz notwendig !

- VPN & Nomad Verwendung



HTTPS = Hypertext Transfer Protocol Secure
JS = JavaScript
LDAP = Lightweight Directory Access Protocol
NRPC = Notes Remote Procedure Call
PWA = Progressive Web Application
SAML = Security Assertion Markup Language
WASM = WebAssembly
WSS = WebSocket Secure (wraps NRPC)

* HTTP Authentication (various)
** Domino Authentication
*** Multiple domains supported

HCL Nomad - FUNKTIONSÜBERSICHT



- Nomad **V1.0.5** für Domino 12.0.1 & 12.0.2
- Nomad **V1.0.9+** nur für Domino 12.0.2+
- **Marvel Integration** (lizenzpflichtige Roaming Funktion)
- „Kiosk Mode“, Druckmöglichkeit, Synchronisation der DB-Symbole
- Domino **Re-style**
- Support für **2FA/MFA** (Domino Server V12+ wird benötigt)
- Warnung wenn im Browser der „memory saver“ aktiv ist
- Nomad **shared login** (ID **Kennwort** wird nach Erstanmeldung **gespeichert**)
- **Nomad federated login** (SAML Authentifizierung)

HCL Nomad - FUNKTIONSÜBERSICHT



➤ Application Switcher

➤ ...\nomad-files\config\app-config.json

➤ Nomad Parameterdatei

➤ <domdata>\nomad-config.yml

➤ HCL Doku: [Nomad for Domino config options](#)

➤ Eigenschaften Bereich

Date	Topic
25.04.2023	Ma
08.12.2022	Chi
06.12.2022	Ma
06.12.2022	Ma
15.10.2021	Ale
27.09.2021	Ale
11.05.2020	Ma
11.05.2020	Ma

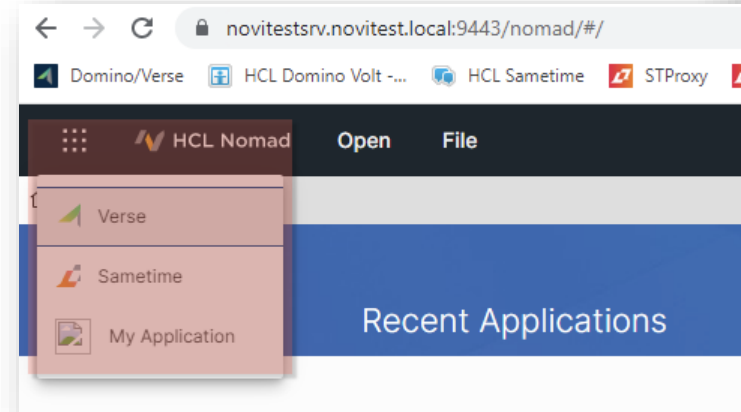
Dokument

Dokument Info

Felder

- AltLang
- Body
- Categories
- Form

Feldname: Form
Datentyp: Text
Datenlänge: 9 Byte
Seq.-Num.: 1
Doppelseintrags-ID: 0
Feld-Flags: SUMMARY



```
# nomad web configuration parameter > https://help.hcl.com/
# these are the defaults
host: '0.0.0.0'
port: 9443

#Debug Nomad
DEBUG: "nwsp:*"
# If that is too noisy, you can use the following to
# DEBUG: "nwsp:cache:*"

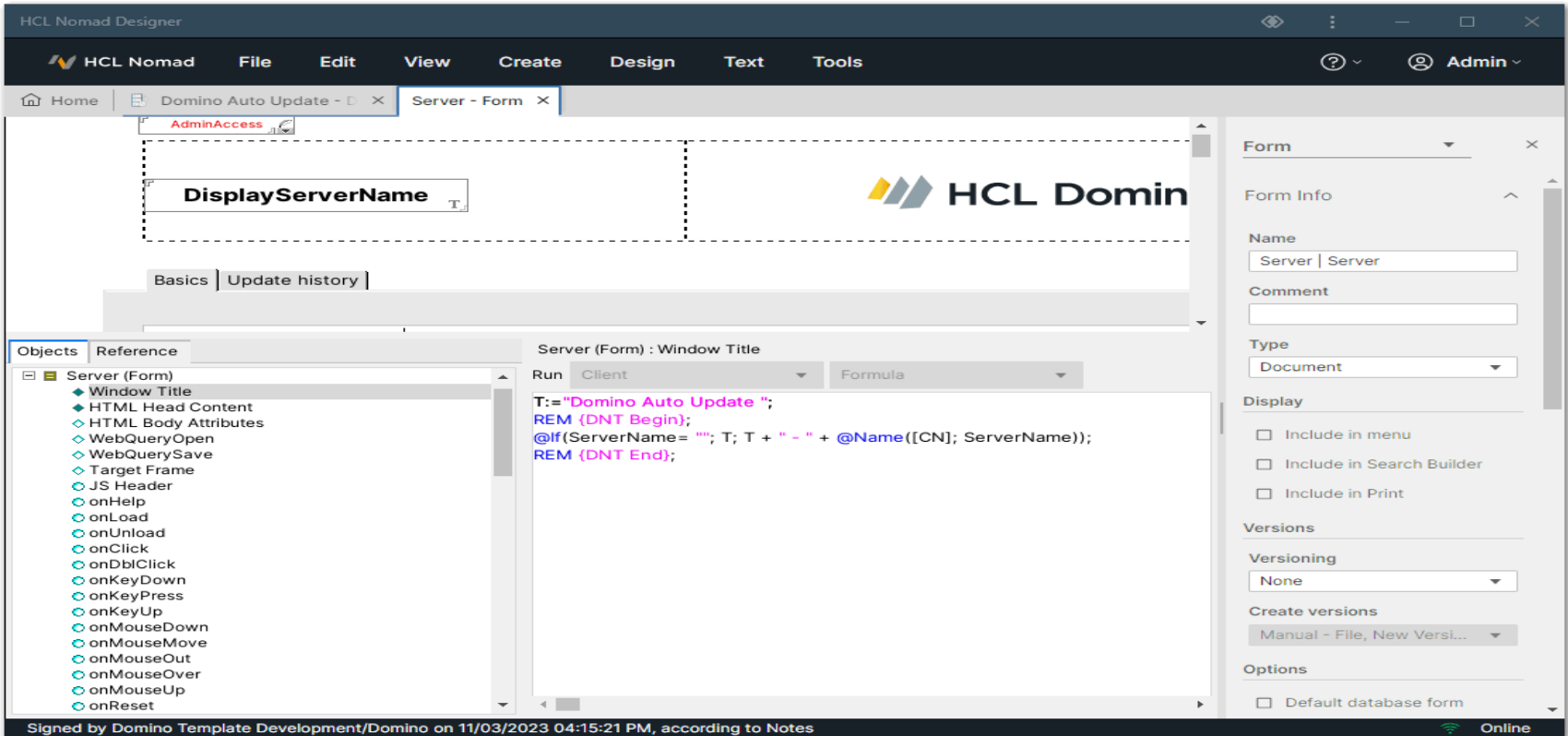
# setting IPV4 - Nomad Web Setup Error
servers:
  CN=NoviTestSRv/O=novitest: 127.0.0.1:1352

#users:
# user001@example.com:
#   personAbbr: User 001/EXAMPLE
```

HCL Nomad for web browser



➤ HCL Nomad Version **1.0.10** mit Designer Funktion **released 14.12.2023**



HCL Nomad Designer

HCL Nomad File Edit View Create Design Text Tools

Home Domino Auto Update - Server - Form

Admin

AdminAccess

DisplayServerName

HCL Domin

Basics Update history

Objects Reference

Server (Form)

- Window Title
- HTML Head Content
- HTML Body Attributes
- WebQueryOpen
- WebQuerySave
- Target Frame
- JS Header
- onHelp
- onLoad
- onUnload
- onClick
- onDbClick
- onKeyDown
- onKeyPress
- onKeyUp
- onMouseDown
- onMouseMove
- onMouseOut
- onMouseOver
- onMouseUp
- onReset

Server (Form) : Window Title

Run Client Formula

```
T:="Domino Auto Update ";  
REM (DNT Begin);  
@If (ServerName = ""; T; T + " - " + @Name([CN]; ServerName));  
REM (DNT End);
```

Form

Form Info

Name

Server | Server

Comment

Type

Document

Display

- Include in menu
- Include in Search Builder
- Include in Print

Versions

Versioning

None

Create versions

Manual - File, New Versi...

Options

- Default database form

Signed by Domino Template Development/Domino on 11/03/2023 04:15:21 PM, according to Notes

Online

HCL Nomad - Notes Links

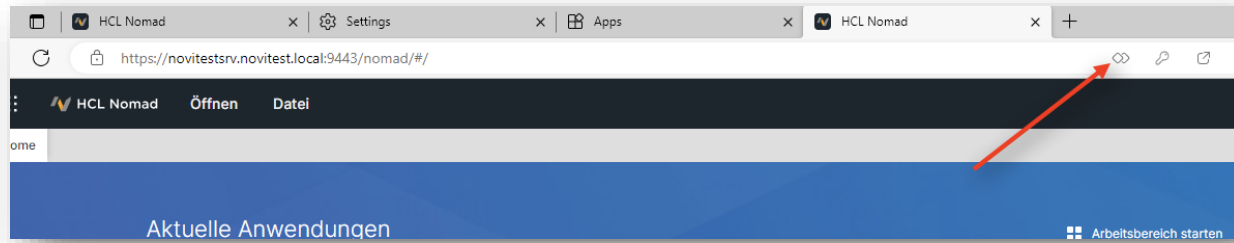


<https://bitly.co/Mv9U>

Notes [Links](#) mit HCL [Nomad öffnen](#) (z.B. in Outlook Mails)

1. Regkey setzen für Notes-Links

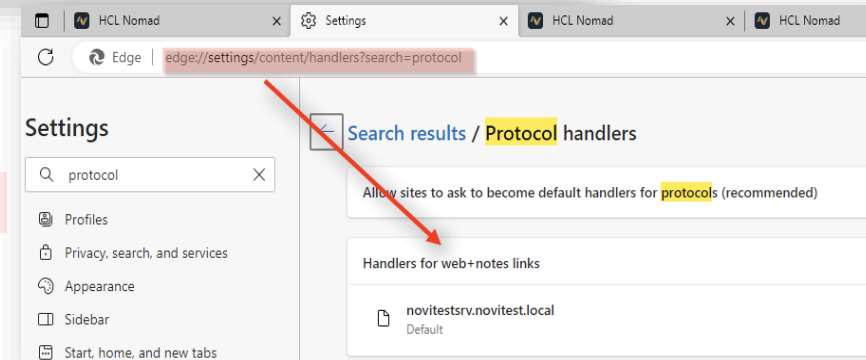
HKEY_CURRENT_USER\Software\Classes\web+notes



2. Servicehandler registrieren

Browser Einstellung (z.B. Edge)

edge://settings/content/handlers?search=protocol



HCL Domino Server



HCL Domino
Server

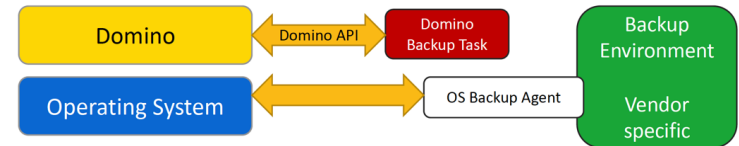


HCL Domino
Console



HCL Domino Server V12 highlights

- ▶ time-based one-time password (TOTP)
 - ▶ **Zwei Faktor** Authentifizierung (2FA) für Domino HTTP
- ▶ One-touch Domino Setup
 - ▶ Übergabe von **Konfigurationsparametern** (Sripting) bei der **Servereinrichtung**
- ▶ Neue **Zertifikatsverwaltung** certmgr/certstore.nsf für SSL/TLS-Zertifikate
 - ▶ Unterstützung für das ACME Protokoll (Lets Encrypt, etc)
 - ▶ Micro CA
- ▶ Neue, **integrierte Backup & Restore** Funktion
 - ▶ **V12.0.1** 3rd Party restore mode z.B mit **Veeam**
 - ▶ **V12.0.2** Domino Backup/Restore Support für **Volume Shadow Copy Service (VSS)**

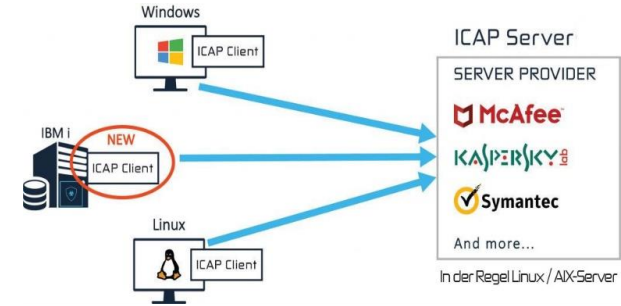


HCL Domino Server V12 highlights

- › Manueller ID-„upload“ in die IDVault
- › IP-basiertes Blockieren (inetlockout.nsf)
- › Neues ODS Format ODS55
 - › Notes.ini: **Create_R12_Databases=1**
- › Marvel Essentials Steuerung/Konfiguration im Domino Directory
- › AdminQ(ick): automatische Umbenennung von iNotes/Verse Benutzern
- › iNotes/Verse Sicherheitsoperationen verwenden die ID direkt aus der Vault
- › IDN = Internationale Internetdomänen
- › Support für Open ID Connect (OIDC)
 - › Domino HTTP Anmeldung via JWT „bearer token“

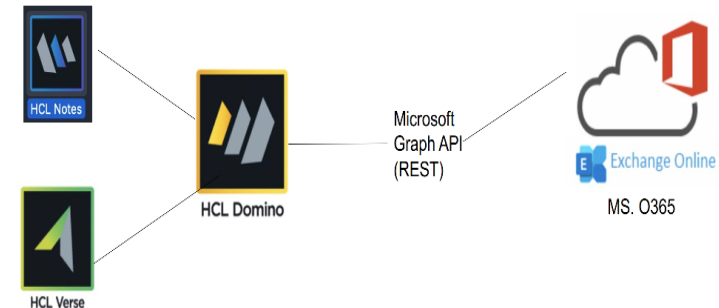
HCL Domino Server **V12.0.2** highlights

- › Domino **Antivirusprüfung** mit dem **ICAP** Protokoll
 - › HCL Doku: <https://bit.ly/3Fi0kUD>
 - › neuer Domino **Dienst** = **mailscan**



- › Spamreduzierung mit **DKIM** & **Sender Policy Framework (SPF)**
 - › **Eingehende** Mails werden auf DKIM/SPF geprüft und im **Fehlerfall** dem Benutzer in den „**Junk Ordner**“ **zugestellt**

- › **Freie Zeit Suche** (Freetime lookup) mit Microsoft 365 **Anwendern**
 - › HCL Doku: <https://bit.ly/3FkIEIP>



What's new in HCL Domino Server Version 14



<https://bitly.co/MvAY>



What's new in Domino 14?

What's New in 14.0?

Enhancements related to security features

New AdminCentral app

AutoUpdate for software download and distribution

One-touch setup enhancements

Domino installation inclusions

Windows installer updates

Auto-notifications for the latest product versions

Upgrade to HCL Notes 64-bit using AutoUpdate

External email notifications

Enabled policy for delayed mail delivery

Disable LotusScript Debugger in HCL Notes

Files tab supports database encryption

DAOS repair in a Domino cluster

Domino Restyle enhancements

Other updates

Components no longer included in this release

What's New in 14.0?

HCL Domino 14.0 introduces the following new features and enhancements.

Core updates [↗](#)

[Enhancements related to security features](#)

HCL Domino 14.0 provides the following enhancements related to security features.

[New AdminCentral app](#)

The AdminCentral application (admincentral.nsf) is automatically created by adminP on the Domino administration server. You can open AdminCentral directly from your Notes Standard or Nomad web client, without the need to start Domino Administrator.

[AutoUpdate for software download and distribution](#)

This new feature notifies you of the latest Domino and Domino product family available on the Domino server. You can use AutoUpdate to download selected software from the My HCLSoftware portal and have it distributed to groups or selected Domino servers.

[One-touch setup enhancements](#)

HCL Domino 14.0 includes Domino one-touch setup enhancements.

[Domino installation inclusions](#)

Domino installation now includes HCL Verse, HCL Nomad server on Domino, and OnTime Group Calendar.

[Windows installer updates](#)

HCL Domino 14 News - UPDATES

➤ Java Update 8 → 17 (IBM Semeru)

- Evtl. Tests erforderlich und Abhängigkeiten prüfen: jvm.security, *.jar Dateien, osgi
- Java Erweiterungen müssen im \domprog\ndext Verzeichnis liegen (vorher: jvm\lib\ext)

➤ OpenSSL 3.2.1

➤ Tika „full-text“ updates

- Domino V12.0.2 → Apache Tika 2.4.1 (Sicherheits Updates)

➤ CKEditor Updates

- Wird in iNotes und Xpages verwendet
- Domino V12.0.2 → CKE 4.18.0
- End of Live Juni 2023: CKE 4.x - <https://bityl.co/MqSn>

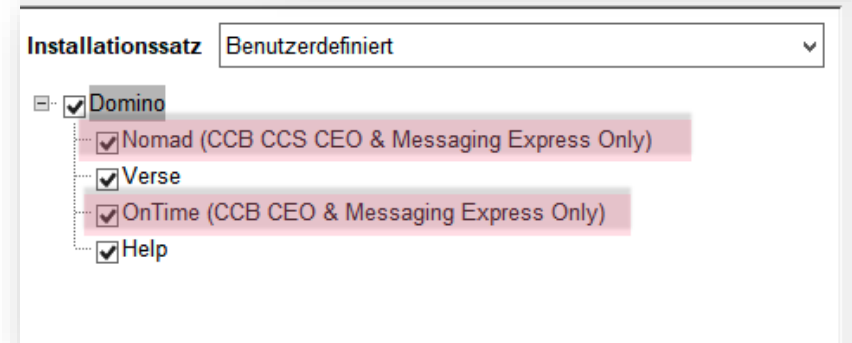
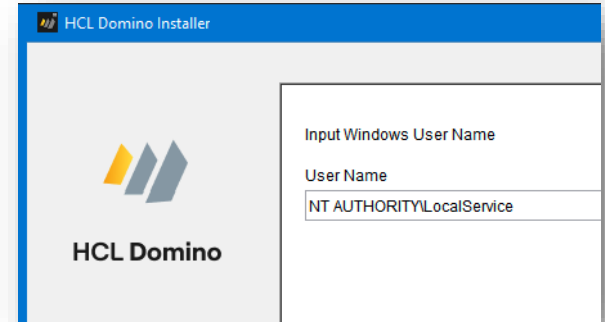
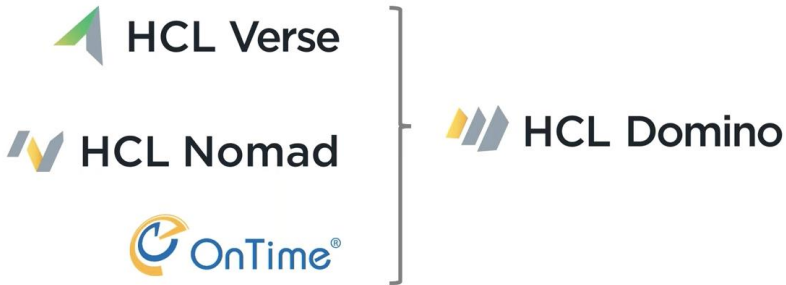
➤ Linux ready - <https://bityl.co/MtLg>

- RHEL glibc 2.34+

Product	glibc	OpenSSL	Curl
openSUSE Leap 15.4	2.31	1.1.1l / 3.0.1	7.79.1
Red Hat Enterprise Linux 9 / UBI 9	2.34	3.0.1	7.76.1

HCL Domino 14 News - INSTALLATION

- Neue Optionen für **one-touch Setup**
- **Windows Server**
 - **Notes.ini** Datei liegt nun im Domino **Daten**verzeichnis
 - Auswahl des **Kontos** für den Windows **Dienstes**
- **Inkludierte Pakete**



HCL Domino 14 News - INSTALLATION



Windows Dienst – Domino Server Konto

Vorgabe Konto = NT AUTHORITY\LocalService

Problem !! Domino Server crasht

```
[0BA4:0002-13D8] HCL Domino (r) Server (64 Bit), Release 14.0, November 09, 2023  
[0BA4:0002-13D8] (C) Copyright HCL Technologies. 1987, 2023
```

```
[0BA4:0002-13D8] comp = 11, fnc = 81, probeid = 79, errcode = 5010, extsympt = 006569200000  
Unexpected internal error returned to logger: 0x20692010
```

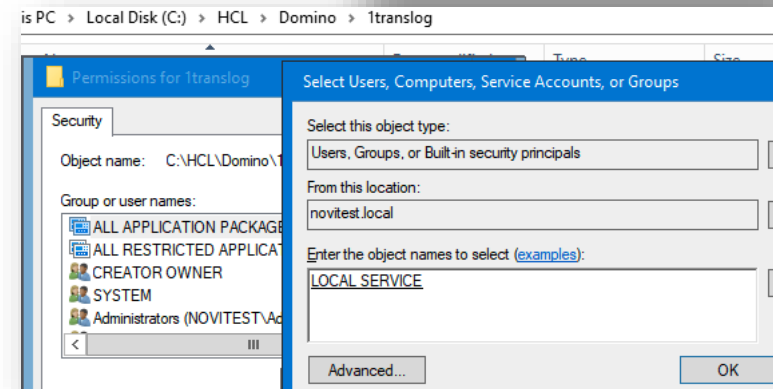
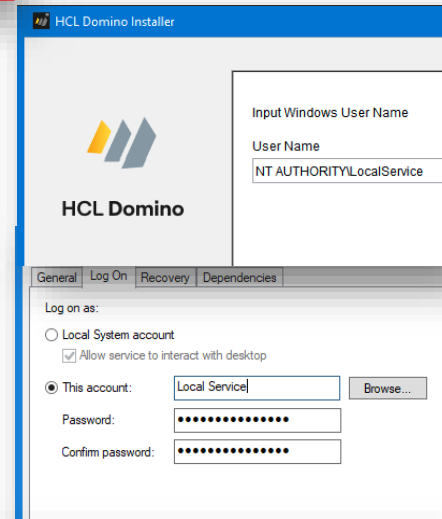
Verzeichnisberechtigungen prüfen !!

DAOS, Translog, etc.

Nashed Blog: <https://bityl.co/My7s>

Alternativ auf **Local System** oder **anderen** Account stellen

„non-admin“ Benutzer: <https://bityl.co/MvH1>



HCL Domino 14 News - INSTALLATION



<https://bitly.co/MvAY>

- **Fehlende Dateien** im HCL Notes/Domino 14 Installationspaket
 - **NCSO.jar** & **NCSO.cab**
 - Installationspfad: <installed-directory>\data\domino\java
- **Problem:** Java Applikationen **laufen nicht**
 - Abwarten bis zum nächsten Fixpack oder Hotfix anfragen

KB0108677 - Defect Article Login to subscribe Send feedback

HCL Domino 14.0 and HCL Notes 14.0 install kits are missing NCSO.jar/NCSO.cab file

📅 published 5d ago • 👁 81 Views • ★★★★★

Applies to

HCL Domino 14.0 and HCL Notes 14.0

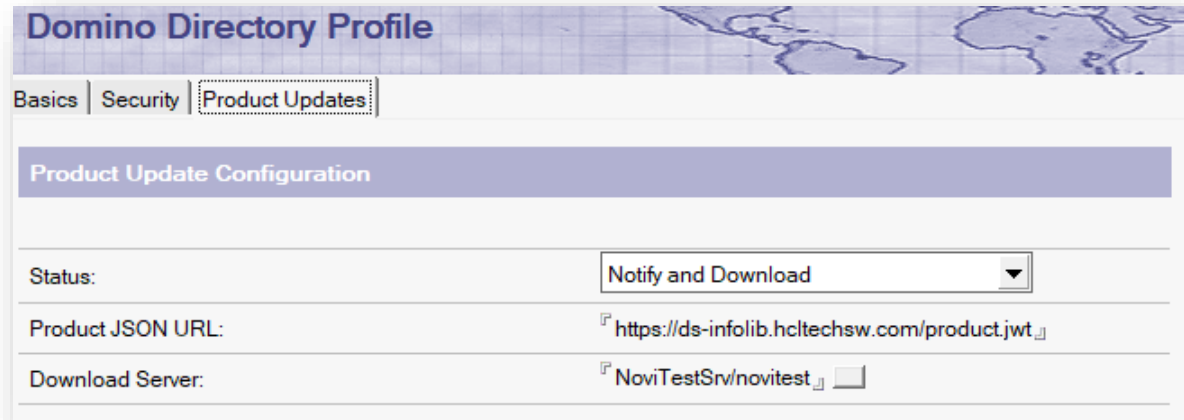
Observed Behavior

After Install of HCL Domino or HCL Notes, there should be NCSO.jar and NCSO.cab files installed to <installed-

HCL Domino 14 News – AUTO UPDATE

- › automatischer **Download** und **Verteilung** der HCL Software Pakete
- › Notification = Informationen über verfügbare Updates
 - › neuer Domino **Dienst** = **autoupdate**
 - › neue Domino **Datenbank** = **autoupdate.nsf**

- › **Aktivierung** im Domino Verzeichnisprofil



Domino Directory Profile

Basics | Security | **Product Updates**

Product Update Configuration

Status: Notify and Download

Product JSON URL: <https://ds-infolib.hcltechsw.com/product.jwt>

Download Server: NoviTestSrv/novitest

HCL Domino 14 News – AUTO UPDATE

➤ Produktinformation im Domino Directory

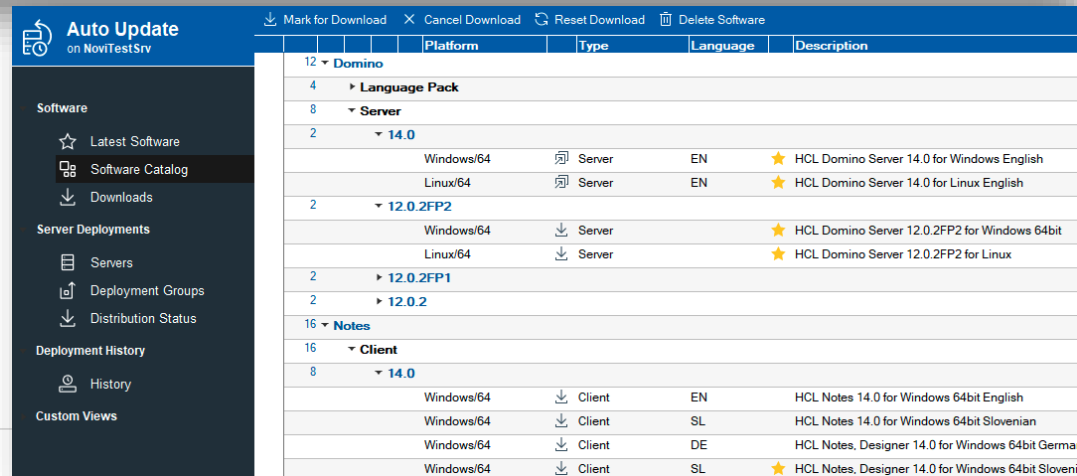
➤ <https://ds-infolib.hcltechsw.com/product.jwt>

Product	Description	Latest Version	Language	Platform
domino	HCL Domino Server	14.0	EN,FR,DE,IT,JA,KO,ES,ZH_CN,ZI	Windows/64, Linux/64, AIX/64, OS/400
notes	HCL Notes Client	14.0	EN,FR,DE,IT,JA,KO,ES,ZH_CN,ZI	Windows/64, Macintosh/64
traveler	HCL Traveler	14.0	ML	Windows/64, Linux/64, AIX/64, OS/400
verse	HCL Verse	3.2	ML	Windows/64, Linux/64, AIX/64, OS/400
leap	HCL Domino Leap	1.1.3	ML	Windows/64, Linux/64
hei	HCL Enterprise Integrator	14.0	EN	Windows/64, Linux/64, OS/400
nomad	HCL Nomad	1.0.9	ML	Windows/64, Linux/64
restapi	HCL Domino REST API	1.0.8	EN	Windows/64, Linux/64
SAPConnector	HCL Domino Connector for SAP Solutions	2.0.2	EN	Windows/64, Linux/64

➤ Software Katalog

➤ [autoupdate.nsf](https://ds...com/software.jwt)

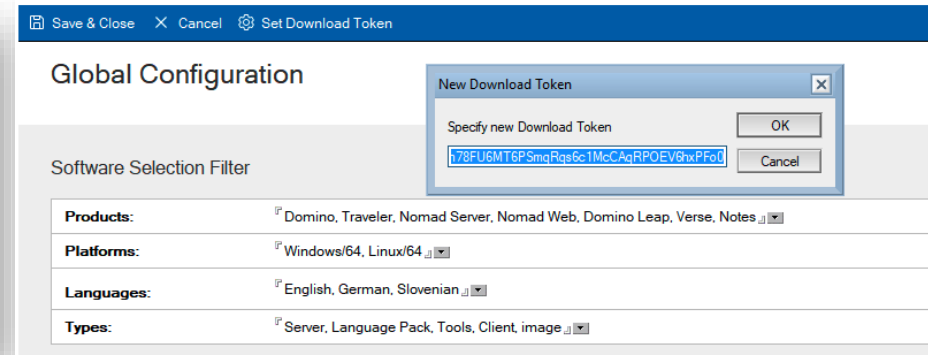
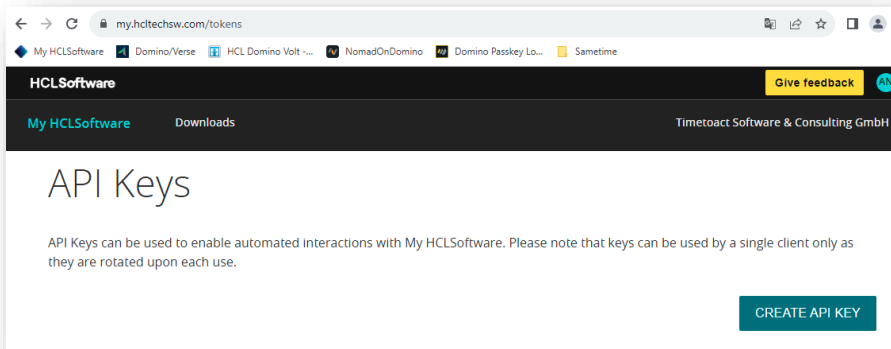
➤ <https://ds...com/software.jwt>



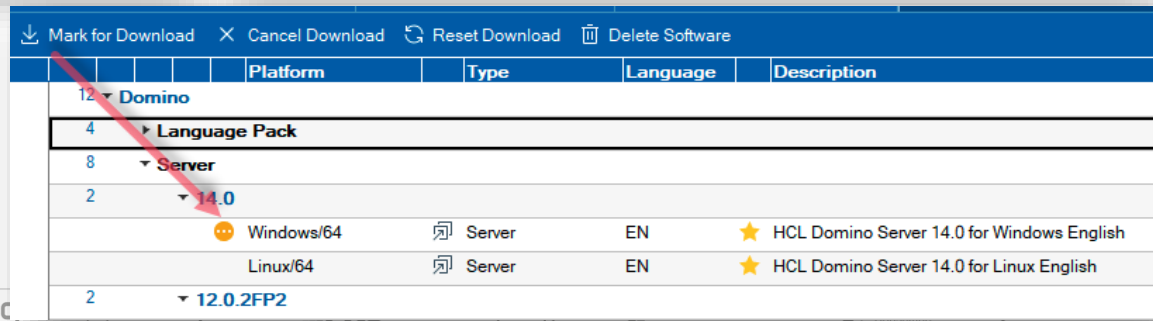
Platform	Type	Language	Description
12 ▾ Domino			
4 ▶ Language Pack			
8 ▾ Server			
2 ▾ 14.0			
Windows/64	Server	EN	★ HCL Domino Server 14.0 for Windows English
Linux/64	Server	EN	★ HCL Domino Server 14.0 for Linux English
2 ▾ 12.0.2FP2			
Windows/64	Server		★ HCL Domino Server 12.0.2FP2 for Windows 64bit
Linux/64	Server		★ HCL Domino Server 12.0.2FP2 for Linux
2 ▶ 12.0.2FP1			
2 ▶ 12.0.2			
16 ▾ Notes			
16 ▾ Client			
8 ▾ 14.0			
Windows/64	Client	EN	HCL Notes 14.0 for Windows 64bit English
Windows/64	Client	SL	HCL Notes 14.0 for Windows 64bit Slovenian
Windows/64	Client	DE	HCL Notes, Designer 14.0 for Windows 64bit German
Windows/64	Client	SL	★ HCL Notes, Designer 14.0 for Windows 64bit Slovenian

HCL Domino 14 News – AUTO UPDATE

- Für den Download muss ein **Token** mit den **HCL Anmeldedaten** hinterlegt werden
 - <https://my.hcltechsw.com/tokens>
 - Jeder Auto Update Download **Server** braucht einen **eigenen Token**



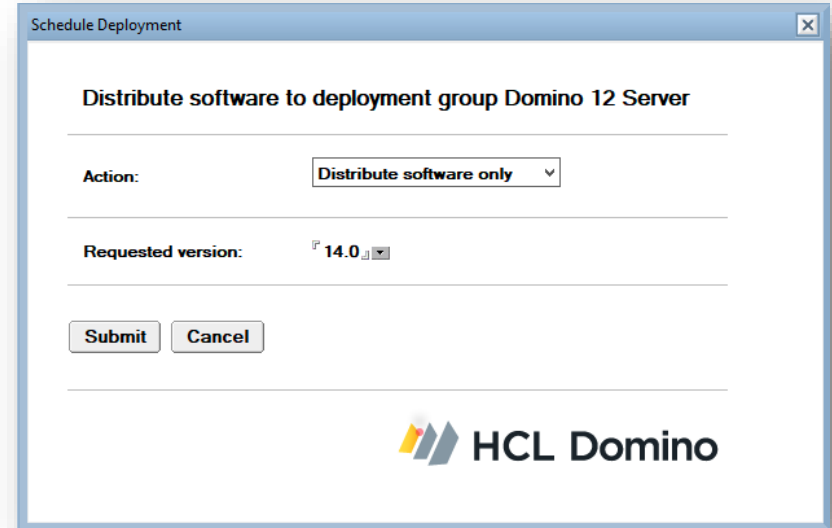
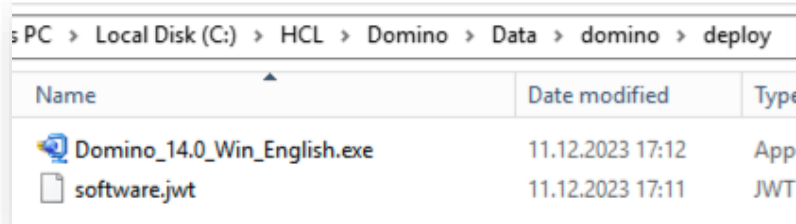
- **Aktivierung** der benötigten Software im Katalog



HCL Domino 14 News – AUTO UPDATE

› Verteilung der Software auf Server

- › Linux: /local/notesdata/domino/deploy
- › Windows: data\domino\deploy



#	Server Name ^	Target Version	Version	Begin	End	Weekdays	Deployment Group
▼ 20231211-161929							
1	NoviTestSrv/novitest	14.0	14.0	02:00:00	06:00:00	- Any day -	Domino 12 Server

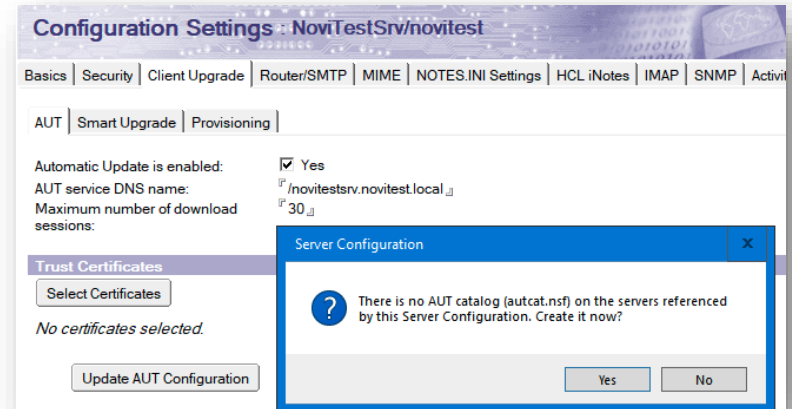
HCL Domino 14 News – AUTO UPDATE

➤ HCL Client Updates werden über den Domino 10+ **AUT** Mechanismus verteilt

➤ Datenbank: **autcat.nsf**

➤ Support für 32-Bit auf 64-Bit Updates

➤ <https://bityl.co/MvOw>



Configuration Settings : NovTestSrv/novitest

Basics | Security | Client Upgrade | Router/SMTP | MIME | NOTES.INI Settings | HCL iNotes | IMAP | SNMP | Activ

AUT | Smart Upgrade | Provisioning |

Automatic Update is enabled: Yes
AUT service DNS name: /novitestsrv.novitest.local
Maximum number of download sessions: 30

Trust Certificates

Select Certificates

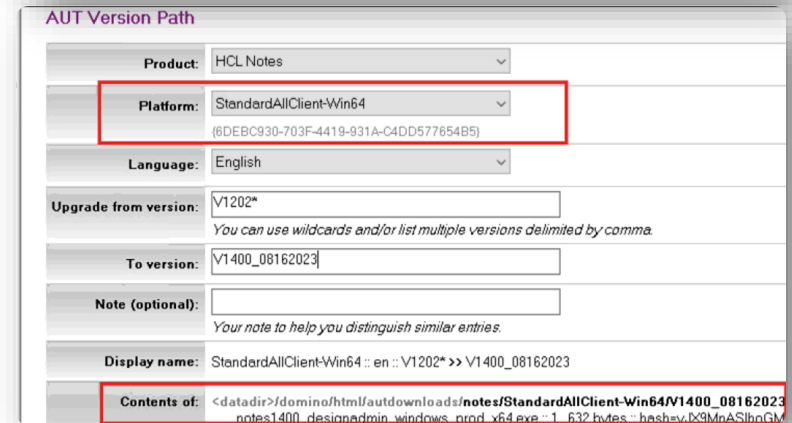
No certificates selected.

Update AUT Configuration

Server Configuration

? There is no AUT catalog (autcat.nsf) on the servers referenced by this Server Configuration. Create it now?

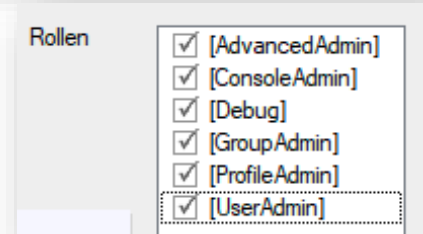
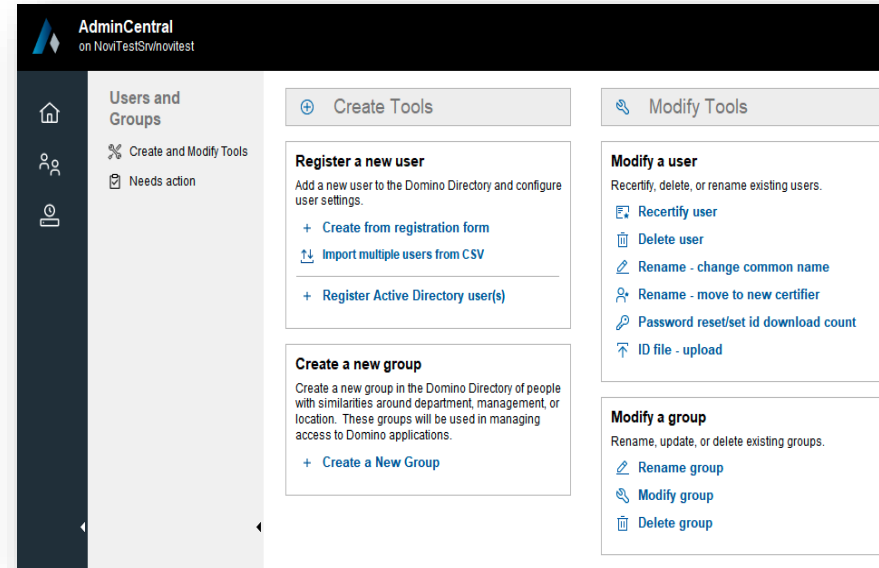
Yes No



AUT Version Path

Product:	HCL Notes
Platform:	StandardAllClient-Win64 (8DEBC930-703F-4419-931A-C4DD577654B5)
Language:	English
Upgrade from version:	V1202* <i>You can use wildcards and/or list multiple versions delimited by comma.</i>
To version:	V1400_08162023
Note (optional):	 <i>Your note to help you distinguish similar entries.</i>
Display name:	StandardAllClient-Win64 : en :: V1202* >> V1400_08162023
Contents of:	<dataidir>/domino/html/autdownloads/notes/StandardAllClient-Win64/V1400_08162023/notes1400_designadmin_windows_prod_x64.exe - 1.632 bytes - hash: b9X9MoASlhoGM

- Neue **Administrationsanwendung**
 - Verwaltung von **Benutzern** und **Gruppen**
 - Recertify, Rename, Delete
 - Zurücksetzen von **Kennwörtern**
 - **Server Console** „light“
- Administrationsserver (AdminP) erstellt die
 - **Datenbank** = **admincentral.nsf**
- **Berechtigung** über ACL-Rollen
- Läuft im Notes Client oder Nomad
 - **Keine Browser UI**



HCL Domino 14 News – ADMIN CENTRAL

AdminCentral
on NovITestSrv/novitest

Reset password

Select user

User to administer:

Elias Mueller-Koch/novitest

Number of id downloads allowed for this user:

The policy setting for Elias Mueller-Koch/novitest allows unlimited id downloads.

Reset password:

Generate a random password

* Registration notification email address(es):

Master Admin/novitest

AdminCentral
on NovITestSrv/novitest

Rename user

Select user

New primary name information

First name:

John

Middle initial:

Last name:

NewDoe

Optional attributes

Qualifying organizational unit:

Short name:

johnfoe

Internet address:

John.NewDoe@novitest.local

AdminCentral
on NovITestSrv/novitest

Server console

Server: NovITestSrv/novitest Command: sho users

User Name	Databases Open	Minutes Since Last Used	NetAddr	Dbz Opened	DocReads	DocWrites	Transactions
NoviTestSrv/novitest							
Master Admin/novitest	admincentral.nsf			0			
NoviTestSrv/novitest	names.nsf			0			

Remote-Serverkonsole

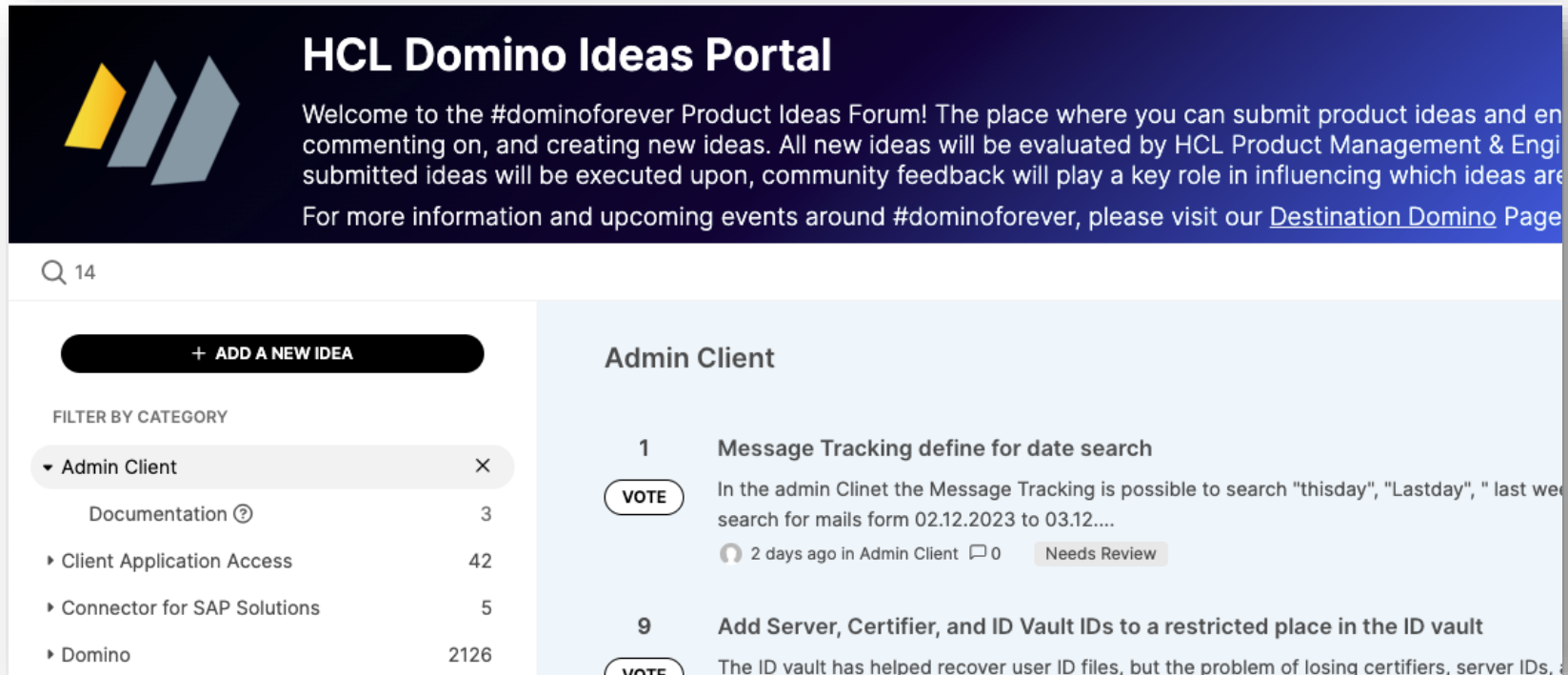
Server: NovITestSrv/novitest

Konsolenbefehl an Remote-Server:

Ausgabe des Servers:

➤ <https://domino-ideas.hcltechsw.com/?project=ADMIN>

➤ Neue Funktionen via [Domino Ideas](#) beantragen



HCL Domino Ideas Portal

Welcome to the #dominoforever Product Ideas Forum! The place where you can submit product ideas and engage in commenting on, and creating new ideas. All new ideas will be evaluated by HCL Product Management & Engineering. Submitted ideas will be executed upon, community feedback will play a key role in influencing which ideas are implemented. For more information and upcoming events around #dominoforever, please visit our [Destination Domino Page](#)

Q 14

+ ADD A NEW IDEA

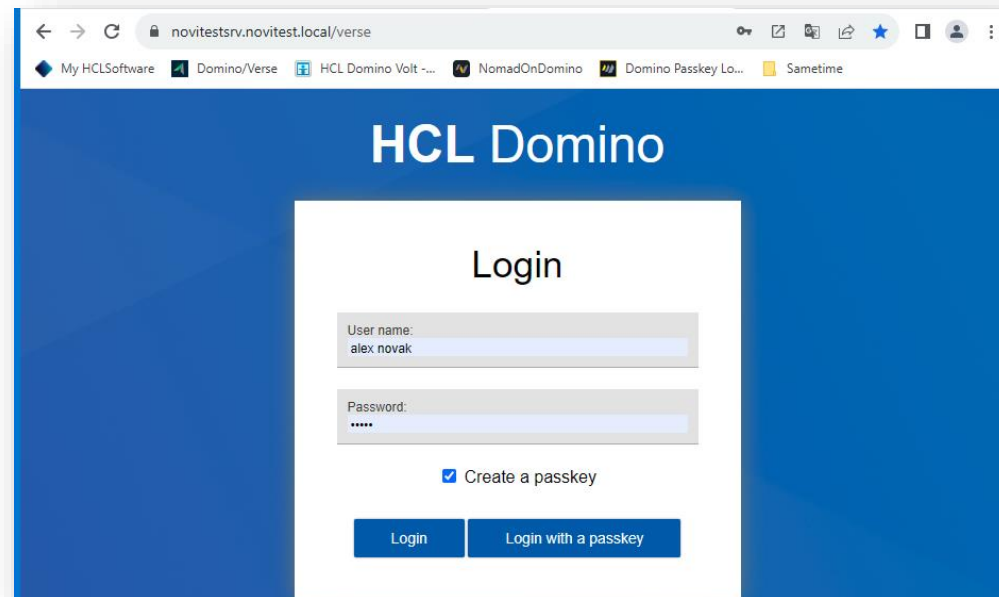
FILTER BY CATEGORY

Category	Count
Admin Client	X
Documentation ?	3
Client Application Access	42
Connector for SAP Solutions	5
Domino	2126

Admin Client

- 1** **Message Tracking define for date search**
VOTE In the admin Client the Message Tracking is possible to search "thisday", "Lastday", "last week" search for mails form 02.12.2023 to 03.12....
2 days ago in Admin Client 0 Needs Review
- 9** **Add Server, Certifier, and ID Vault IDs to a restricted place in the ID vault**
VOTE The ID vault has helped recover user ID files, but the problem of losing certifiers, server IDs,...

- Domino bietet die Möglichkeit der **Passkey** Anmeldung
 - **WebAuthn/FastIDentityOnline2** Protokoll
- Passkey ist ein **gespeicherter Schlüssel** der zur **Anmeldung** verwendet wird
 - **ohne** Eingabe von **Name & Kennwort**
- **Speicherung** des Passkey
 - mobilen Geräten
 - Browser / USB
- **Freigabe/Schutz** durch
 - Fingerprint
 - Gesichtsscan / FaceID
 - Bildschirmlock PINS



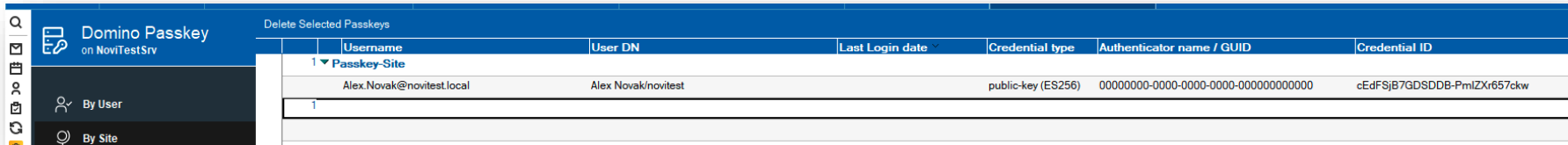
HCL Domino 14 News – PASSKEY

› Einrichtung der Passkey Funktion

1. passkey Datenbank erstellen

› Datenbank = **passkey.nsf**

› Alternative Name/Pfad: **Notes.ini** **PASSKEY_DATABASE=test\mypasskeys.nsf**



Domino Passkey on NovTestSrv

Delete Selected Passkeys

	Username	User DN	Last Login date	Credential type	Authenticator name / GUID	Credential ID
1	Passkey-Site					
	Alex.Novak@novitest.local	Alex.Novak/novitest		public-key (ES256)	00000000-0000-0000-0000-000000000000	cEdFSjB7GDSDDB-PmlZXr657ckw
1						

By User

By Site

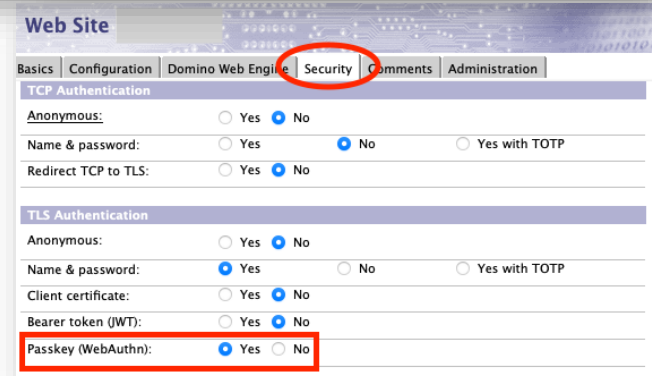
2. HTTP Session Authentifizierung aktivieren

› Server oder Web Site Dokument

3. Passkey Anmeldung (WebAuthn) aktivieren

› Server oder Web Site Dokument

4. Anmeldemaske **domcfg.nsf** = **\$\$UserFormPasskey**



Web Site

Basics | Configuration | Domino Web Engine | **Security** | Comments | Administration

TCP Authentication

Anonymous: Yes No

Name & password: Yes No Yes with TOTP

Redirect TCP to TLS: Yes No

TLS Authentication

Anonymous: Yes No

Name & password: Yes No Yes with TOTP

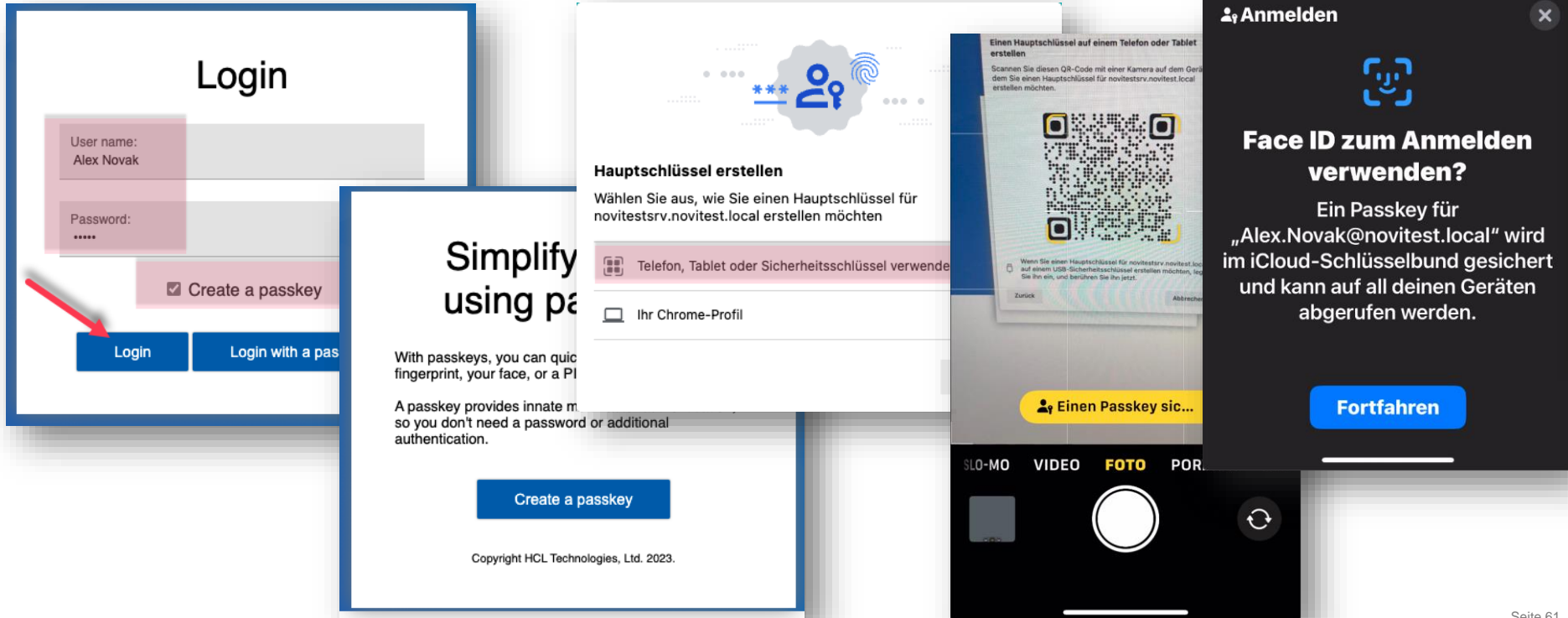
Client certificate: Yes No

Bearer token (JWT): Yes No

Passkey (WebAuthn): Yes No

HCL Domino 14 News – PASSKEY

- › **Ersteinrichtung** des passkey Anmeldung am Client
 - › Browser muss **WebAuthn** Protokoll unterstützen



Login

User name: Alex Novak

Password: *****

Create a passkey

Login Login with a passkey

Hauptschlüssel erstellen

Wählen Sie aus, wie Sie einen Hauptschlüssel für novitestrv.novitest.local erstellen möchten

Telefon, Tablet oder Sicherheitsschlüssel verwenden

Ihr Chrome-Profil

Simplify using passkeys

With passkeys, you can quickly authenticate using your fingerprint, your face, or a physical security key.

A passkey provides innate security, so you don't need a password or additional authentication.

Create a passkey

Copyright HCL Technologies, Ltd. 2023.

Face ID zum Anmelden verwenden?

Ein Passkey für „Alex.Novak@novitest.local“ wird im iCloud-Schlüsselbund gesichert und kann auf all deinen Geräten abgerufen werden.

Fortfahren

➤ Anmeldeprozess mit Passkey

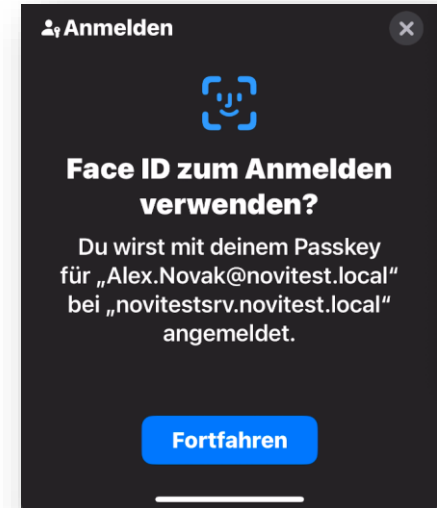
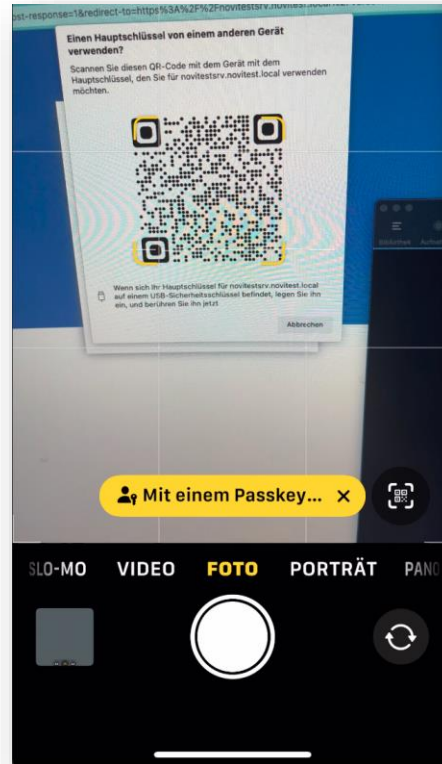
Login

User name:
alex novak

Password:

Create a passkey

Login Login with a passkey



HCL Domino 12 News – OnTime

➤ OnTime Gruppenkalender

➤ „free“ für bis zu **25 Benutzer**

➤ Domino Dienst = **OnTimeGC**

➤ Domino **V12**

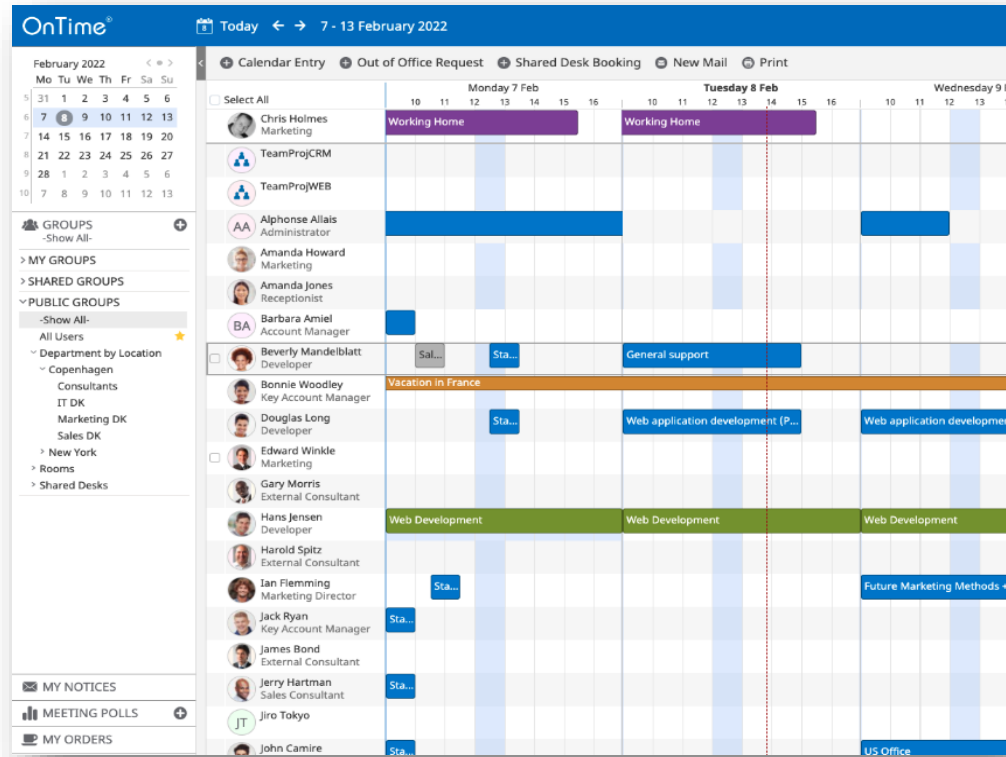
➤ „freemium“ Version

➤ Separater Download

➤ Eigene Installation



<https://bityl.co/MVcX>



The screenshot displays the OnTime web interface. At the top, it shows the current date and navigation options. The main area is a calendar grid for February 2022, with columns for Monday 7 Feb, Tuesday 8 Feb, and Wednesday 9 Feb. The grid contains various colored blocks representing different activities or statuses for various users. A sidebar on the left lists groups and users, including 'Chris Holmes Marketing', 'TeamProjCRM', 'TeamProjWEB', 'Alphonse Allais Administrator', 'Amanda Howard Marketing', 'Amanda Jones Receptionist', 'Barbara Amiel Account Manager', 'Beverly Mandelblatt Developer', 'Bonnie Woodley Key Account Manager', 'Douglas Long Developer', 'Edward Winkle Marketing', 'Gary Morris External Consultant', 'Hans Jensen Developer', 'Harold Spitz External Consultant', 'Ian Flemming Marketing Director', 'Jack Ryan Key Account Manager', 'James Bond External Consultant', 'Jerry Hartman Sales Consultant', 'Jiro Tokyo', and 'John Camire'. The interface also includes options for 'Calendar Entry', 'Out of Office Request', 'Shared Desk Booking', 'New Mail', and 'Print'.

HCL Domino 14 News – OnTime

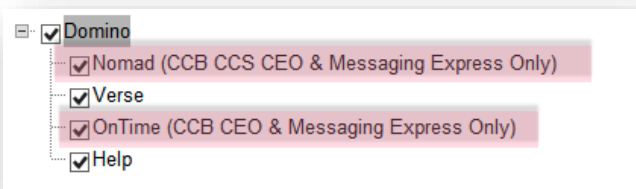
➤ OnTime Gruppenkalender

➤ „free“ für bis zu **25 Benutzer**

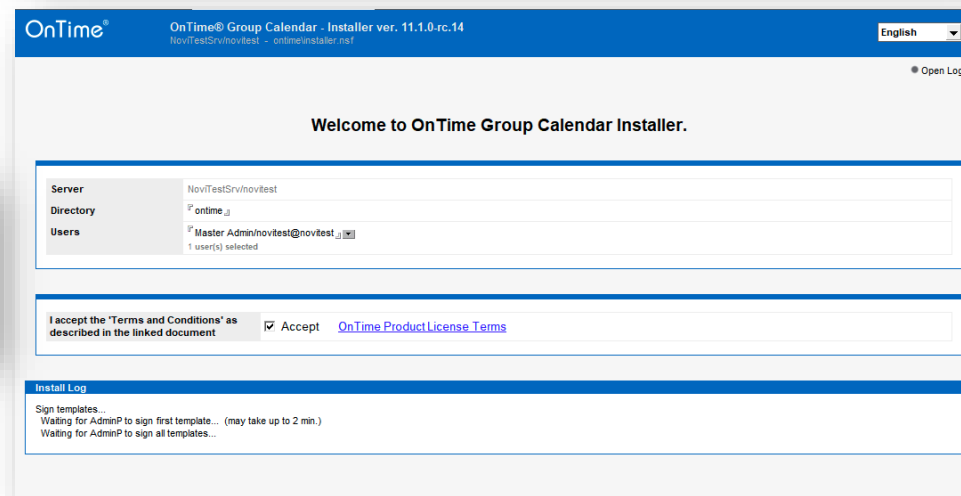
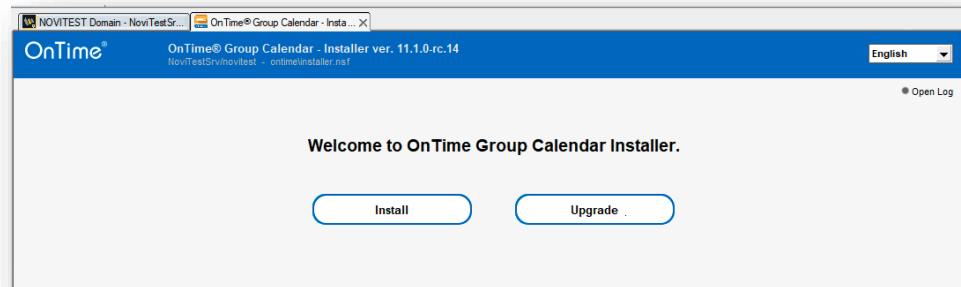
➤ Domino Dienst = **OnTimeGC**

➤ Domino **V14**

➤ **Auswahl** OnTime im Domino **Installer**



➤ Einrichtung: **OnTime/installer.nsf**



HCL Domino 14 News

➤ Inbound Disclaimer

➤ Nachrichtenmarkierung für externe Nachrichten

- Betreff und/oder Body Feld
- Text oder HTML

External Email Notifications	
External email notifications:	Enabled for external domains
Notification type:	Add to beginning of message only
Text to add to Subject:	
Text or HTML to add to message:	
	 > [Caution: This email is from an external sender. Be wary of links or attachments]



test message 1 from external sender
nosuchuser to: dom01_nopref02

[Caution: This email is from an external sender. Be wary of links or attachments]

I'd like to say hello.

Thanks,

user

➤ Erweiterung im Adminclient

- Datenbank Verschlüsselung (Spalte, Zuweisung)
- Lesbare Datenbankgröße im Adminclient

Dateiformat	Logische Größe	Physische Größe	Max. Größe
R12 (55:0)	6 MB	6 MB	Un
R12 (55:0)	4 MB	4 MB	Un
R12 (55:0)	972 KB	972 KB	Un
R5 (41:0)	512 KB	512 KB	Un
R12 (55:0)	710 MB	2 MB	Un
R12 (55:0)	2.9 GB	4 MB	Un
R12 (55:0)	720 KB	720 KB	Un

➤ DAOS Repair im Domino Cluster

- Reparatur fehlender oder defekter DAOS Objekte vom Clusterpartner
- **tell daosmgr repair list missing**
- **tell daosmgr repair objects**

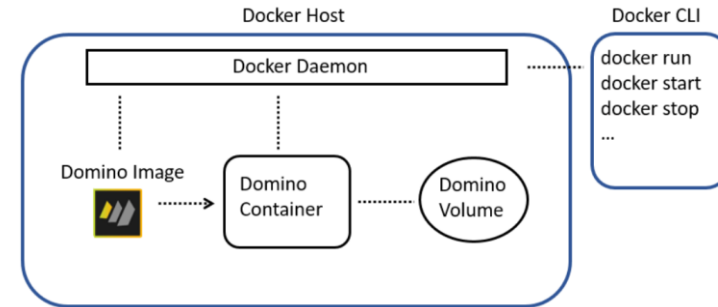


<https://bityl.co/Mtd0>

- ▶ **OpenID Connect (OIDC)**
 - ▶ Erweiterungen für JWK Cache
 - ▶ Web-Anmeldung mit OIDC
 - ▶ Support OpenID Connect 1.0 für AzureAD und ADFS 2019 (less-than-standard)
- ▶ Verwendung **eindeutiger** „session cookie“ Namen (**DomAuthSessID**)
 - ▶ **DominoSessionCookieUniqueNames=1**
- ▶ **SHA256** Support für **Internetkennwörter** (Hashes)
- ▶ **Reduzierung** der vorgegebenen **TLS Ciphers** (PFS, AEAD und SHA-2)
- ▶ Neue Optionen für die **Verschlüsselung** der **ID-Datei** in der Sicherheitsrichtlinie
- ▶ Neue Optionen bei der **Verschlüsselung** von **Dokumenten und E-Mails**

HCL Domino on Docker

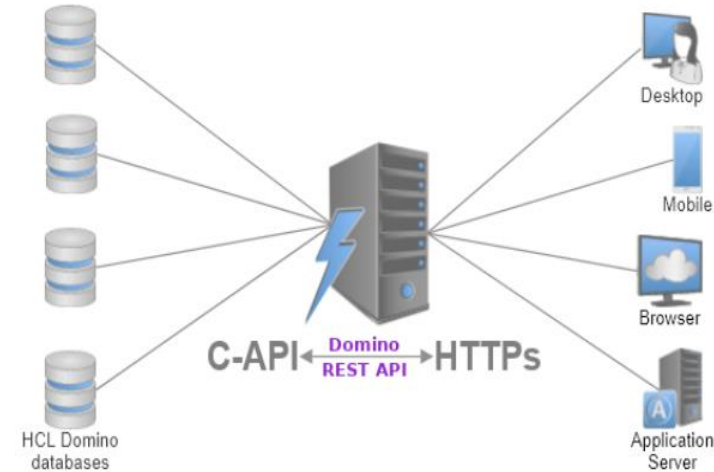
- ▶ HCL Knowledge Base: [HCL Domino on Docker](#) Whitepaper
- ▶ HCL Doku: [Domino on Docker](#)
- ▶ Container Image für
 - ▶ Docker (Desktop/Server)
 - ▶ Podman
 - ▶ Kubernetes
- ▶ Image basiert auf [RedHat Universal Base Image \(UBI\) 8.6](#)
- ▶ „Automation testing“
 - ▶ HCL testet seine Domino Versionen mit Domino Container
- ▶ **OpenNTF Video**: Install Domino + Nomad + Leap on Docker



<https://ytube.io/3nky>

Domino REST APIs / aka HCL Projekt KEEP

- ▶ Externer Zugriff auf Domino Daten von anderen Plattformen
- ▶ Domino-REST-API basiert auf Industriestandards, folgt Standard-APIs und ist erweiterbar
- ▶ Verwendet das Sicherheitsmodell von Notes und Domino



- ▶ Installation für Domino Server Windows & Linux

- ▶ ZIP/Java Installation

- ▶ neuer Domino Dienst = **restapi**

```
java -jar restapiInstall.jar ^
-d="C:\Program Files\HCL\Domino\Data" ^
-i="C:\Program Files\HCL\Domino\notes.ini" ^
-p="C:\Program Files\HCL\Domino" ^
-r="C:\Program Files\HCL\Domino\restapi" ^
-a
```



<https://bitly.co/MvEf>

HCL Traveler V12 highlights



- ▶ Traveler on [Docker](#) Image
- ▶ [TOTP](#) & [SAML](#) Authentifizierung für HCL [Verse mobile clients](#)
- ▶ Traveler Status Meldung für [Zertifikatsablauf](#) oder Probleme in der [Zeitsynchronisation](#)
- ▶ [APNS Support](#) für HTTP/2-based (auch schon in Traveler 11)
- ▶ [Java 6 Support entfernt](#) (Domino 9.0.1 FP8 und höher wird nun benötigt)
- ▶ Traveler [Web-Admin](#)oberfläche verwaltet nun auch [HTMO](#) Clients (Outlook)
- ▶ **V12.0.1** [Migration](#) der Traveler DB von IBM DB2 zu MySQL
- ▶ **V12.0.1** [Client Device ID](#) wird im Traveler Webadmin-Interface angezeigt
- ▶ **V12.0.1** Unterstützung für [Delegierung](#) bei HCL Traveler for [HTMO](#) Clients

What's new in HCL Traveler Version 14 ?



<https://bitly.co/MvFM>

New server features

[What's new in Traveler 14.0.0?](#)

What's new in Traveler 14.0.0?

The following features are new in HCL Traveler 14.0.0.

- > **Clear the sync anchors for a device from the Traveler home page** [↗](#)
- > **Traveler Enterprise Database Schema Update** [↗](#)
- ∨ **Verifying the Traveler mail file replica list** [↗](#)

Traveler maintains a list of mail file replicas in the Traveler database. This list is dynamically built from the information in the cluster directory and, in the case that the mail file algorithm requires mail files to be local (e.g. `NTS_MAIL_SERVERS_ALGORITHM=LOCALONLY`), mail files detected on the traveler servers. A new form of the Bind command, `verifyLocalOnly` has been added to verify the accuracy of the list of replicas for a user (or all users) and ensure that users are bound to a traveler server with a mail file replica. See [High Availability commands](#) for more information.

- > **Security improvements to the Traveler home page** [↗](#)
- ∨ **Updated APNS P12 files** [↗](#)

Apple Push Notification Service (APNS) p12 certificates updated to expire in **November 2024**. These certificates replace the files shipped with 12.0.2 Fix Pack 1, which expire February 28, 2024.

22.01.2024 - 22.01.2024; 1 Tag

Workshop – HCL Domino Sicherheitsgrundlagen

TTASG
München

 DURCHFÜHRUNGSGARANTIE

23.01.2024 - 23.01.2024; 1 Tag

Workshop – HCL Domino Internetsicherheit

TTAINS
München

 DURCHFÜHRUNGSGARANTIE

24.01.2024 - 24.01.2024; 0,5 Tag

Workshop – HCL Traveler Grundlagen

TTATG
München

 DURCHFÜHRUNGSGARANTIE

25.01.2024 - 25.01.2024; 0,5 Tag

Workshop – HCL Sametime Chat und Konferenzlösung

TTAST
München

https://www.timetoact.de/details/alle_schulungen

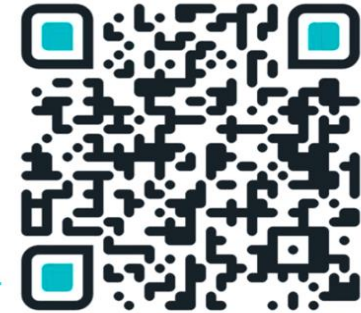


In-depth webinar series

Webinars - Jan/Feb 2024

Domino Family - Deep Dive Series

10-Jan-24	Domino 14 Family Overview
17-Jan-24	Domino 14 - Server Security
24-Jan-24	Sametime 12.0.2 - Why Upgrade
31-Jan-24	Domino 14 - Auto Notify, Update & Install
7-Feb-24	Domino 14 - Clients - Notes, Nomad and Verse
14-Feb-24	Domino 14 - Admin Central
21-Feb-24	Domino 14 - Application Development



hclsw.co/domino14-webinars



HCL Notes/Domino V14

Updating the Core : Java 17

- Java 8 → Java 17 LTS
 - Java 8 will be out of support in the lifetime of Domino 14
- Providing:
 - Better performance, faster startup, lower memory footprint.
 - Domino developers can use Java code snippets from popular sources.
 - Modernized Domino platform = Better Apps



Watch out for:

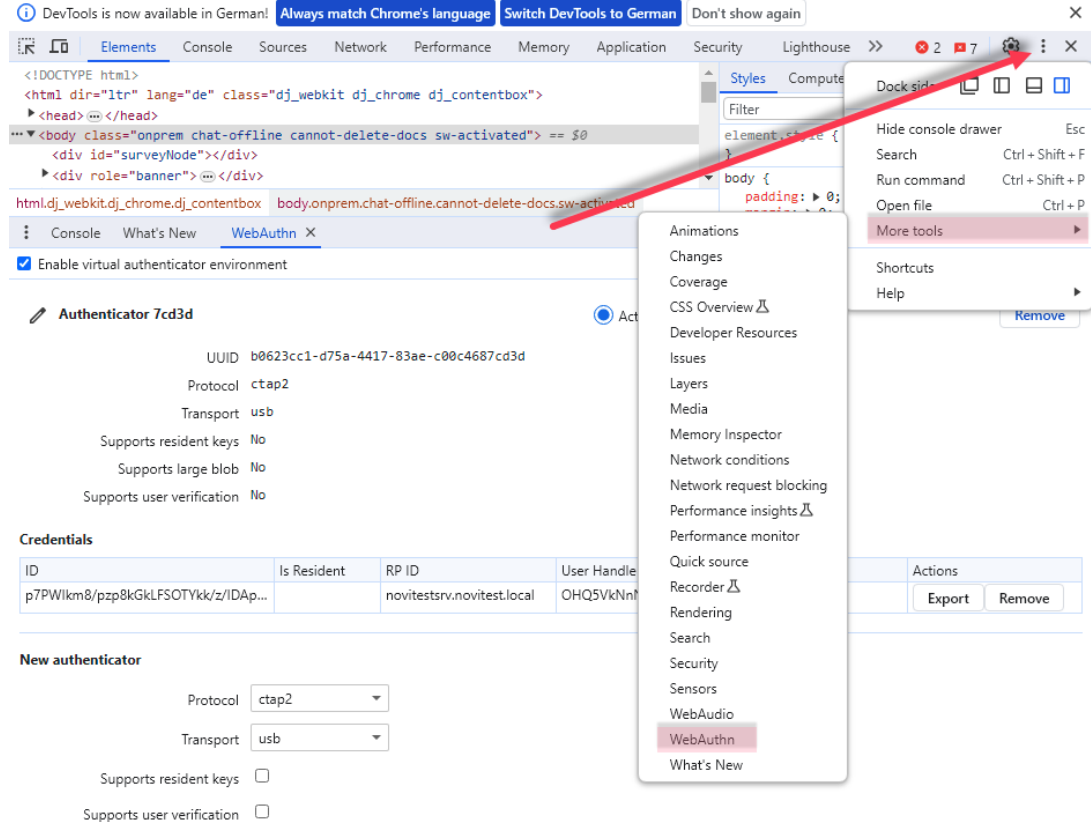
- `jvm.security`
- java inside NSF
- Java files in the file system
 - *.jar files
 - osgi (XPages ExtLib)
- Are you using any of those? Tell us!
 - SOAP, DIIOP (CORBA)



Domino 14 Neuerungen

- As a result of supporting only the 64-bit Admin client, the following components are removed from the Admin client:
 - Java applets for Mail and Replication
 - The Server > Performance tab, which includes real-time/historical statistic monitoring, Activity Trends, and Change Manager
 - Health monitoring functionality
 - RMEval task
- The following Warning messages are displayed by the JVM in the Domino server and Notes client wherever the internal Java code makes the `System::setSecurityManager()` API call. These messages do NOT indicate a functional failure and are noted here just for awareness:
 - WARNING: A terminally deprecated method in java.lang.System has been called
 - WARNING: System::setSecurityManager has been called by lotus.notes.AgentSecurityManager (file:/C:/HCL/Domino/ndext/Notes.jar)
 - WARNING: Please consider reporting this to the maintainers of lotus.notes.AgentSecurityManager
 - WARNING: System::setSecurityManager will be removed in a future release
- In this version of the Domino Administrator client, the Web Administration Servers bookmark button in the side navigation, as well as menu items and dialog boxes related to adding and removing servers from Web Administration bookmarks, are removed.
- The Domino Configuration Tuner (DCT) NSF will no longer be displayed (if present) in the Admin client Server > Analysis tab.
- The Directory Upgrade Service (DUS) is removed, so the migrate button will no longer appear in the registration UI.
- The Tivoli Federated Identity Manager (TFIM) is removed from idpcat.nsf, so it will no longer appear as an IdP option

WebAuthn Aktivierung im Chrome Browser



DevTools is now available in German! [Always match Chrome's language](#) [Switch DevTools to German](#) [Don't show again](#)

Elements Console Sources Network Performance Memory Application Security Lighthouse

```
<!DOCTYPE html>
<html dir="ltr" lang="de" class="dj_webkit dj_chrome dj_contentbox">
  <head>
  </head>
  <body class="onprem chat-offline cannot-delete-docs sw-activated"> == $0
    <div id="surveyNode"></div>
    <div role="banner"></div>
  </body>
</html>
```

body { padding: 0; }

WebAuthn

- Animations
- Changes
- Coverage
- CSS Overview
- Developer Resources
- Issues
- Layers
- Media
- Memory Inspector
- Network conditions
- Network request blocking
- Performance insights
- Performance monitor
- Quick source
- Recorder
- Rendering
- Search
- Security
- Sensors
- WebAudio
- WebAuthn**
- What's New

Authenticator 7cd3d

UUID b0623cc1-d75a-4417-83ae-c00c4687cd3d

Protocol ctap2

Transport usb

Supports resident keys No

Supports large blob No

Supports user verification No

Credentials

ID	Is Resident	RP ID	User Handle
p7PWlkm8/pzp8GkLFSOTYkk/z/IDap...		novitestsrv.novitest.local	OHQ5VvNn...

New authenticator

Protocol ctap2

Transport usb

Supports resident keys

Supports user verification

Security & Authentication

- Improved OpenID Connect 1.0 (OIDC)
 - OIDC Logout
 - More providers
- HTTP Bearer authentication for Azure AD or ADFS 2019
- Upgrading Internet password hashes to SHA256 in the Person Document
- Default SSL Ciphers limited to algorithms that provide PFS, AEAD, and SHA-2
- Security policies for ID file encryption

The screenshot shows a configuration interface with two main sections: "Password Quality Settings" and "ID File Encryption Settings".

Password Quality Settings:

- Required Password Quality: Require strong password, despite that user may have difficulty remembering it (16) ▾
- Use Length Instead: Yes

ID File Encryption Settings:

- Mandated encryption standard: 128 bit AES and SHA-256 ▾
- Key derivation strength (iterations): 5000 ▾

An overlay dialog box titled "How to apply this setting:" is open, showing a list of encryption standards under the heading "Keywords". The list includes:

- Select encryption standard from dialog list
- Compatible with all releases (64 Bit RC2)
- Compatible with release 6 and later (128 Bit RC2)
- Compatible with release 8 and later (128 Bit AEAD)
- Compatible with release 8 and later (256 Bit AEAD)

The list is currently showing "128 bit AES and SHA-256" and "256 bit AES and SHA-512" as options. The "128 bit AES and SHA-256" option is highlighted in blue, and the "256 bit AES and SHA-512" option is highlighted in green. The dialog also has "OK" and "Cancel" buttons.