

# GroupWise® 2012 (coming soon[er])

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**Novell®**

# Novell Collaboration Solutions



*I'm the end user*

**Personal and Team Productivity**



## **Novell® GroupWise®**

E-mail, calendar, task and contact management with enterprise instant messaging



## **Novell® Vibe™**

Next generation social collaboration platform



## **Novell Data Synchronizer**

Synchronize collaborative data between your collaboration tools and critical business applications

*I'm the IT guy*

**Collaboration Data Management**



## **Novell Open Enterprise Server**

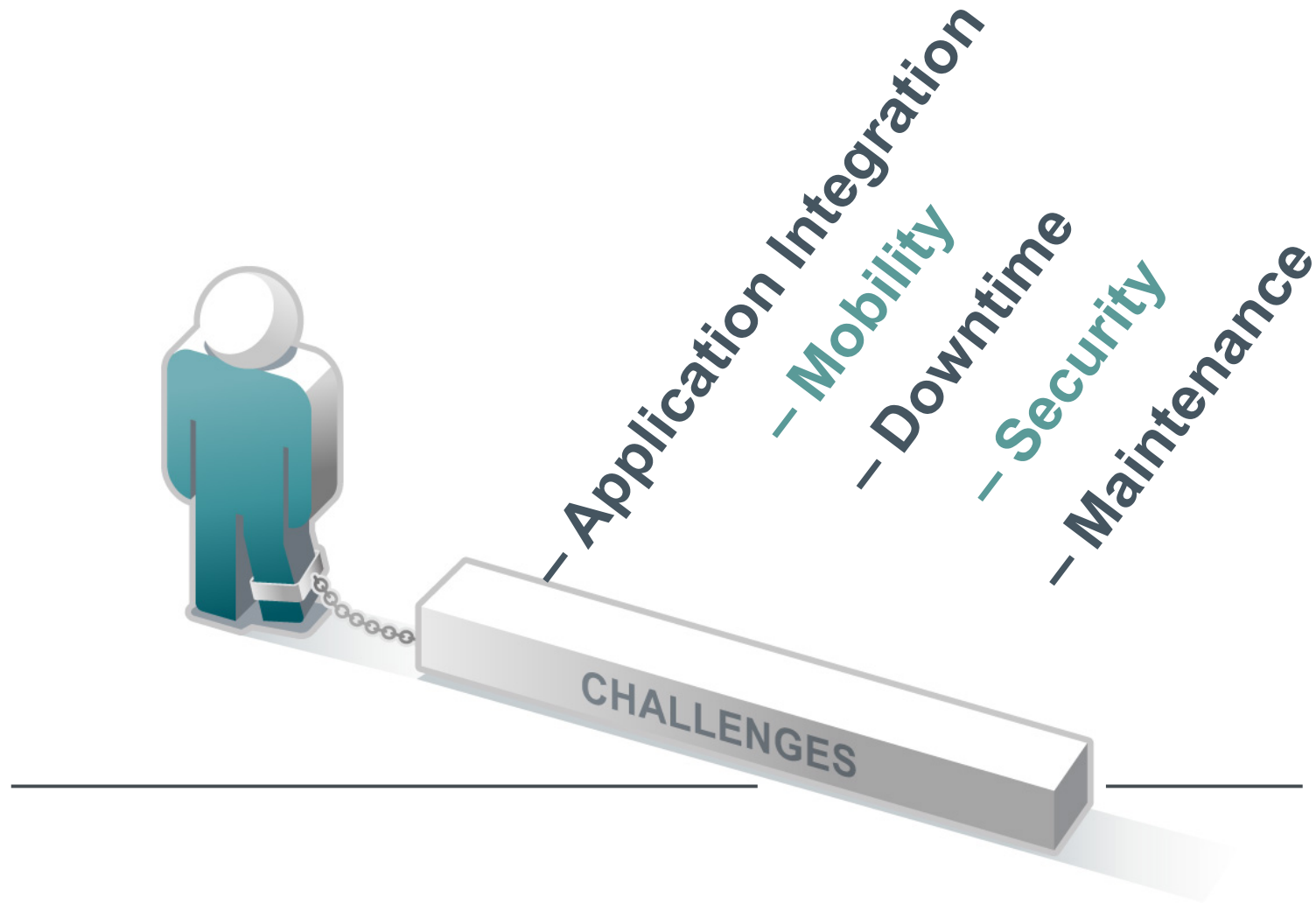
All the same services you had in NetWare enhanced and running on SUSE Linux Enterprise Server



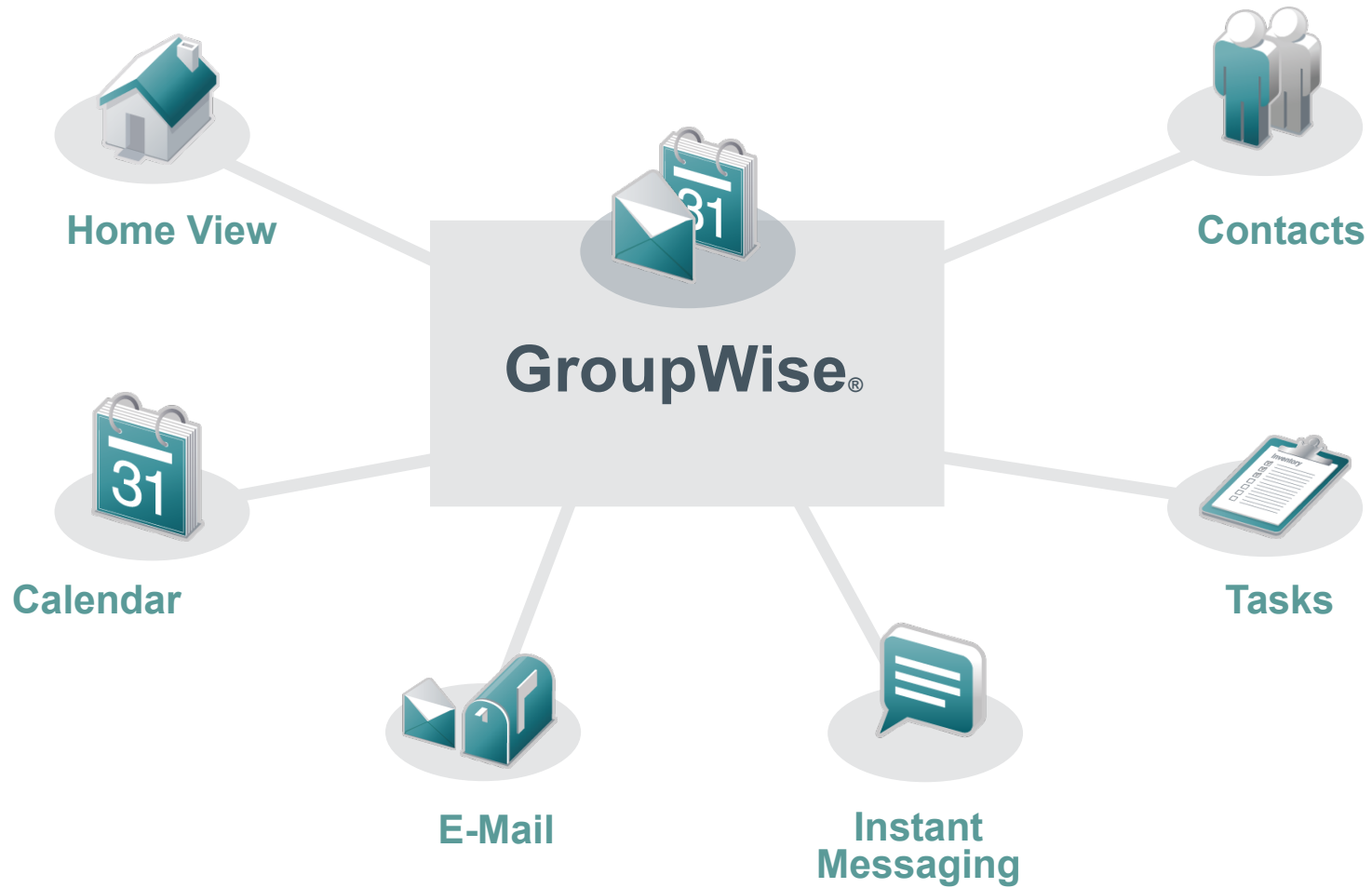
## **Novell File Management Suite**

Enables you to intelligently manage file storage based on maximum business benefit

# E-Mail Challenges



# Components



# GroupWise® 2012 (Ascot)

## Windows Client Enhancements



### Calendar

- Recurring appointments
- Modify/Resend appointment
- Multi-User calendar



### Information sharing

- Share a folder tree
- Relevance sorting



### Integrations with Vibe® and Skype

- Live Vibe messages
- Skype presence, SMS, click to call

# What's Next?

## Client Futures

- More consistency
- Common look
- More frequent releases
- More user interface/user experience experts
- Usability customer council
- Next generation technology

# Where We Are Going

2011

2012

2012/2013

## GroupWise®



### Ascot:

- Information Sharing
- Platform Support
- Calendaring
- Vibe Integrations
- Web access
- iPad support via Web access
- Telephony support - Skype

### Cardiff 1

- Ascot Quality Update

### Cardiff 2

- Ascot Quality Update

### Windermere:

- Active Directory Integration
- Web Administration
- Social Business
  - Dynamic Contacts
  - Social Threading
  - Integrated IM
- Vibe Integrations
- Android and Playbook Client

## Data Synchronizer



### Delaware

- HTML
- Scale to 500 devices per server
- Quality
- Scalability
- IOS5

### Eenou and Fox:

- Tasks
- Remote Search
- HTML Compose
- S/MIME

### Galice:

- Partner Support
- Connector Pairs
- High Availability

# Where We Are Going

2011

2012

2012/2013

Messenger



## Crestone: (late 2010)

- Integrated presence with Vibe
- Quality updates
- Now included with Vibe™

## Dillion:

- iPhone app
- Android app
- Web client (for integration with GW Web Access and Vibe)
- Multiple Connections
- Quality
- Timed with Granite (Vibe)

## Eastlake:

- Active Directory Integration
- Web Administration
- Share History
- Timed with Windermere

# **GroupWise® 2012 WebAccess**

# WebAccess – New Features

## End Users

- New Look and Feel
  - Follows the Novell® Branding Guidelines
- Busy Search
- HTML Signature
- Recurrence
- Two timeouts
  - Public or Shared Computer will timeout sooner
  - Private computer will keep the session active for longer
- Create Tasks easily in the Tasklist folder

# WebAccess – New Features

## End Users



Column Sorting



Add Pictures to Contacts



Create Groups easily



All Day Events



Download All Attachments in one shot



Auto logout when the browser window is closed

# Goals for GroupWise® 2012

Simplify the Architecture

Simplify the Install

Simplify the Administration

Lay down the framework that would make it easy to add new features

Easy to troubleshoot

Create a scalable system

# Revamped Architecture

- Bye Bye WebAccess Agent (a.k.a GWINTER)
- Built on GroupWise® Web Services (SOAP) API
- No more objects in Novell® eDirectory™
- No more objects in GroupWise® Domain Database
- Simplified Install
- Created a stand alone Document Viewer Agent (DVA)
  - The WebAccess Application talks HTTP to this Agent to convert a document
  - Multiple DVAs supported for one Application



# Performance and Scalability

- How does WebAccess perform and/or scale in this new architecture?
  - It does great
  - There have been numerous improvements made to the Post Office Agent to speed up things
  - WebAccess uses a more optimized and tailored code path for efficient data retrieval and transfer
    - Built on highly scalable Java technology
  - We performed a simulation test, so let's see how it went



# Performance and Scalability (cont.)

- How many users can I have on one WebAccess server?
  - We had 1400 active sessions on one WebAccess server AND one Post Office Agent
  - 15000+ requests processed in one hour
    - 1200+ logins
    - 5000+ messages read
    - 2200+ messages sent
    - 2000+ checked calendar
    - 660+ logouts



# Performance and Scalability (cont.)

- What are some typical response times?
  - Login: 350ms
  - Logout: 25ms
  - Read an Item: 75ms
  - Send an Item: 80ms
  - Check Calendar: 75ms
  - Read Message List: 350ms



# Performance and Scalability (cont.)

- How much memory do we recommend?
  - Java heap limits configured as: “-Xms2048m -Xmx4096m”
  - We had 8 GB on the server
  - Rule of thumb: WebAccess needs 1 MB per session
- How many processors do we recommend?
  - We used a single processor with four cores
- Is WebAccess disk intensive?
  - Not really. It uses the disk only for storing attachments and temporary files



# Optimizations – Built-in

- Compress the HTTP Responses for faster downloads
  - A 384 KB JavaScript compressed to 35 KB (by 90%)
- Leverage the HTTP Caching headers for static content
- Leverage the HTTP Expires headers for static content
  - IIS Administrators need to add these manually
- Use Image Sprites for fewer image/icon downloads
- Minify the CSS files along with JavaScript files
- Use Web 2.0 techniques for fewer page loads



# Optimizations - Manual

## Java Memory Settings

- You most likely need to tweak these settings to suit your environment
- Follow the instructions provided in the documentation

## WebAccess does not create worker threads

- Requests are processed under Tomcat threads

## Modify the Tomcat threads to handle higher loads

- A good understanding of the Tomcat optimization techniques is necessary
- The default number of worker threads is 75, which is pretty good for most deployments

# How to Deploy?

- In the past, a typical deployment had the WebAccess Agent inside the firewall, and the WebAccess Application outside the firewall (in a DMZ)
- With the new architecture, we recommend putting the WebAccess Application inside the firewall and use any of the following options to expose it outside the firewall
  - An L4 switch
  - A reverse proxy server (like Novell® Access Manager)
  - Or a simple Apache server running as a reverse proxy server
    - Checkout the documentation and/or cool page article for details on how to set this up

# Installing WebAccess

- Things are really nice and easy with a new install
  - No objects to worry about
- There are a few things to take care of, however, with an upgrade
  - Install will not remove objects from Novell® eDirectory™ or GroupWise® Domain Database
  - If you have any secondary domains that serve just a WebAccess Agent, then it might be time to consolidate that
  - If those objects are not used by any GroupWise® 8 system, then delete these objects using Novell ConsoleOne®
    - Trust me, it's easy ☐



# GroupWise® iPad integration

GroupWise® 2012 (Ascot)

## iPad Interface

### Why do we need it?

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Current solution: Novell® Data Synchronizer

- Uses native application
- May not be available to everyone
- Users must be provisioned by an administrator
- Must roll out 1 or more Novell Data Synchronizer servers

GroupWise® 2012 (Ascot)

## iPad Interface



### Why do we need it (continued)?

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#### Desired solution

- Immediately available to ALL GroupWise users
- Does not need any additional servers, provisioning, etc.
- Access to full online mailbox contents
- Consolidated experience with Mail and Calendar items
- Common GroupWise look and feel

GroupWise® 2012 (Ascot)

## iPad Interface

### Ascot Solution

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#### WebAccess mobile templates for Apple iPad

- Support for Safari browser (webkit)
- GroupWise data accessed using the WebAccess model (GWPOA using the SOAP API)
- Support for Android and other tablets coming in future releases (<http://<server>/gw/webacc?User.interface=mobile>)
- Support for smart phones will be added in future releases (replacing 'simple' templates)

## iPad Interface



### Common WebAccess features supported

- View and select folders
- Compose new Mail, Appointment, Note and Task items
- Read Mail, Appointment, Note, Task, Phone items
- Common actions (delete, accept, decline, complete, etc.)
- View attachments
- Support for saving/editing *draft* messages
- Find
- Other...

Spojrzenie od strony handlowej ...

# GroupWise 8 – ceny i licencjonowanie

- Po jednej licencji dla każdej skrzynki pocztowej
- Ceny
  - € 165 wersja pełna
  - € 38 wersja WebAccess
- Z tym, że...
  - W Polsce obowiązuje promocja na zestawy NOWS (Novell Open Workgroup Suite)

# W zestawie taniej niż kupując oddzielnie!

- Ceny promocyjne dla Polski
  - Najkorzystniej kupować jest zestaw NOWS (Novell Open Workgroup Suite, zawierający teraz Vibe OnPrem i ZENworks Endpoint Security Management): **€ 98 !!!**
  - **Szczegóły na [www.novell.pl/promocje](http://www.novell.pl/promocje)**
- Infolinia handlowa
  - 0800 22 66 85
  - [infolinia@novell.pl](mailto:infolinia@novell.pl)
- Zamówienie indywidualnej oferty
  - [www.novell.pl/formularz.html](http://www.novell.pl/formularz.html)

# Novell Open Workgroup Suite (NOWS)

**Microsoft**

**Novell**

Windows Server 2008

=

OES + SUSE Linux Ent. Server 10/11

System Center Configuration Man.

=

ZENworks Configuration Management

Exchange Server

=

GroupWise 8 (wkrótce v. 2012)

SharePoint Portal Server

=

Novell Vibe OnPrem 3.1

Office 2010

=

LibreOffice.org Novell Edition

Windows 7

=

SUSE Linux Enterprise Desktop 11

# Cena produktów MS vs. pakietu NOWS

## na przykładzie zakupu licencji na 100 użytkowników

### Porównanie kosztów zakupu rozwiązań Microsoft i Novell

| Grupa            | Nazwa produktu                             | SKU       | Ilość | Cena/lic. | Wartość         |
|------------------|--|-----------|-------|-----------|-----------------|
| Aplikacje        | OfficeProPlus SNGL LicSAPk OLP NL          | 269-05577 | 100   | € 822     | € 82 230        |
| Serwery          | ExchgEntCAL 2010 SNGL OLP C UsrCAL woSrvcs | PGI-00436 | 100   | € 42      | € 4 167         |
|                  | ExchgSvrEnt 2010 SNGL OLP C                | 395-04361 | 1     | € 4 068   | € 4 068         |
|                  | SharePointEntCAL 2010 SNGL OLP C UsrCAL    | 76N-03433 | 100   | € 83      | € 8 333         |
|                  | SharePointSvr 2010 SNGL OLP C              | 76P-01197 | 1     | € 4 947   | € 4 947         |
|                  | SQLCAL 2008R2 SNGL OLP C UsrCAL            | 359-05354 | 100   | € 164     | € 16 448        |
|                  | SQLSvrEnt 2008R2 SNGL OLP C                | 810-08553 | 1     | € 8 627   | € 8 627         |
|                  | SysCtrCltMgmtSte SNGL LicSAPk OLP C PerUsr | MFF-00447 | 100   | € 68      | € 6 770         |
|                  | SysCtrMgmtSteEnt SNGL LicSAPk OLP C        | MUY-00306 | 1     | € 1 576   | € 1 576         |
|                  | WinSvrCAL 2008 SNGL OLP C UsrCAL           | R18-02659 | 100   | € 29      | € 2 936         |
|                  | WinSvrEnt 2008R2 SNGL OLP C                | P72-04217 | 1     | € 2 367   | € 2 367         |
| Systemy          | WinPro 7 SNGL Upgrd OLP NL                 | FQC-02371 | 100   | € 192     | € 19 155        |
| <b>Microsoft</b> |  |           |       | SUMA      | EUR € 142 469   |
|                  |  |           |       |           | PLN 634 129 PLN |

**Oferta  
Novella  
tańsza jest  
o ponad pół  
mln zł netto  
=**



Ceny netto przeliczone na PLN po kursie z dnia 22.09.2011 (1 EUR = 22.09.2011)

| ZESTAW        | Nazwa produktu   | SKU        | Ilość | Cena/lic. | Wartość        |
|---------------|--|------------|-------|-----------|----------------|
|               | Novell Open Workgroup Suite 1-User License + 1-Year Standard Mai | 877-002319 | 100   | 98        | € 9 800        |
| <b>Novell</b> |  |            |       | SUMA      | EUR € 9 800    |
|               |  |            |       |           | PLN 43 620 PLN |

Ceny netto przeliczone na PLN po kursie z dnia 22.09.2011 (1 EUR = 22.09.2011)

Powyższe ceny zostały podane w oparciu o dane zamieszczone na stronach producentów oraz w Internecie

# Nagrody za ankiety

- Zapraszamy na kolejne webinary:
  - 3 listopada – premiera Sentinel 7
  - 15 listopada – ZENworks Config. Management SP2
  - 24 listopada – ZENworks Patch Management PL
- Podziel się opinią o dzisiejszym naszym seminarium
  - Link do formularza z ankietą prześlemy jeszcze dzisiaj razem z linkiem do nagrania webinaru
- Wśród respondentów rozlosujemy 5 par okularów „Identity Protection”
  - Rejestracja: [www.novell.pl/whatsnew/kalendarium](http://www.novell.pl/whatsnew/kalendarium)

# Okulary zapewniają bezpieczną komunikację... wzrokową oraz wymianę spojrzeń :-)



Pytania?  
(zanim przejdziemy do pokazu...)

Demo

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