The new Exchange

Work Smarter, Anywhere.
Being ahead of the curve

Email on a browser
- May 1997
- Mission-critical, high availability

Email on a phone
- Nov. 1997
- Antispam protection

Voicemail in your inbox
- Dec. 2001
- Dec. 2006
- Nov. 2008
- The cloud on your terms

Massive, low-cost mailboxes
- Mar. 2004
- Nov. 2008
- Nov. 2009

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A world of communication challenges
Introducing | Your Modern Office

Devices  |  Cloud  |  Social  |  Control
Exchange — Work Smarter, Anywhere.

Remain in control, online, and on-premises
Exchange enables you to tailor your solution based on your unique needs and ensures your communications are always available while you remain in control; on your own terms—online, on-premises, or a hybrid of the two.

Do more, on any device
Exchange helps your users be more productive by helping them manage increasing volumes of communications across multiple devices and work together more effectively as teams.

Keep the organization safe
Exchange keeps your organization safe by enabling you to protect business communications and sensitive information and to meet internal and regulatory compliance requirements.
What’s New in Exchange 2013 Preview

- Support a multigenerational workforce (social integration)
  - Merge contacts from several sources in to single view
- Integrate with Sharepoint and Lync
  - Lync archive content in E2013 preview and use E2013 preview as contact store
- Evolving compliance needs
- Provide a resilient solution
Exchange 2013 Preview System Requirements

- Preview not supported with coexistence scenarios
- OS support — Windows Server 2008 R2 or Windows Server 2012
- Client support — Outlook 2013 preview, Outlook 2010 SP1, Outlook 2007 SP3, Outlook for MAC 2011
- AD support — Windows Server 2008/R2 or 2012
- Virtualization support — roughly same guidelines as 2010
Exchange Administration Center

- E2010 – 3 ways to manage (ECP, EMC, EMS)
- EAC combines EMC + ECP functionality but extends to add things like PF management, notifications
Exchange 2013 Preview Architecture

- CAS and Mailbox – loosely coupled
  - There are now only 2 roles (CAS and Mailbox)
  - CAS – two different components – CAS service and FE Transport service
- Version upgrade flexibility
  - No more rigid upgrade requirements. A Client Access server can be upgraded independently and in any order in relation to the Mailbox server.
- Geo-flexibility
  - Can now have central client access site, no need for CAS & Mailbox in each site
- RPC over HTTPs is now direct access protocol
  - RPC direct access is no longer supported protocol
  - Clients no longer need to connect directly to server FQDN
Exchange 2013 Preview Architecture

- High Availability – still DAG
  - Improved failover times – improved tlog code and checkpoint on passives
  - Exchange Store – re-written in managed code – under own process
  - Store is integrated with FAST search (used in SPS 2013) for indexing
  - Manage DAG with EAC

- Data Loss Prevention (DLP)
  - Protect sensitives data and inform users of internal compliance policies

- Improvements to archiving, retention, eDiscovery
  - eDiscovery search across Exchange, SPS 2013, Lync 2013
  - Search across primary and archive mailboxes in OWA
  - In-Place hold (time based, indefinite based, query based)
Sharing/Collaboration

- Public Folders
  - Yes, they are still there! But, there is no longer a PF DB!
  - Now take advantage of DAG – move away from multi-master to single master
  - Store is integrated with FAST search (used in SPS 2013) for indexing
  - Manage DAG with EAC

- Site mailboxes
  - New in E2010 Preview, allow access to both docs in Sharepoint site and email messages in Exchange mailbox
  - SPS site membership + shared storage through Exchange mailbox
Site Mailboxes – Exchange + SharePoint
Team alias keeps communications tracked

Single folder to access Email & documents

Documents stored in SharePoint

Collaborate with your team

Documents stored in SharePoint
Protect your communications
Empower your users to be compliant

A PolicyTip notifies you of a policy violation while composing an email
Comprehensive view of DLP policy performance
Use proximity searches to understand context

Get instant statistics

Fine tune complex queries

Query results across Exchange, Lync, and SharePoint

Unified eDiscovery

Laser focused refiners to help find the data you need
Client and Mobile Devices

- Outlook Web App
  - Optimized for tables and smartphones 😊
  - For screens found on laptops or larger devices, OWA projects a UI optimized for mouse and keyboard input. We refer to this mode as Desktop.
  - For tablet size screens, OWA projects a UI optimized for touch input. We refer to this as touch-wide.
  - For phone size screens, OWA projects a narrower UI for touch. This is touch-narrow.
  - Offline Support – HTML5 offline based offline support – IE 10+, Chrome 17, Safari 5
### Current Status

**Last refreshed: 11:40 AM, July 31, 2012**

<table>
<thead>
<tr>
<th>SPACE</th>
<th>TODAY</th>
<th>JUL 30</th>
<th>JUL 29</th>
<th>JUL 28</th>
<th>JUL 27</th>
<th>JUL 26</th>
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<td>Exchange Online</td>
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<td>E-Mail timely delivery</td>
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<td>Rights Management Service</td>
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<td>SharePoint Online</td>
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</table>

- ☐ Normal service availability
- ☑ Service degradation
- ☑ Service Interruption
- ☑ Additional information
- ☑ Normal service restored

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**Smart monitoring, telemetry, and analytics to improve your users’ experience**
Plan your upgrades

introduction upgrade schedule option to pilot

Here you have the option of selecting a “move window” typically one week in length... note the size of your organization today is taken into account when calculating your approximate ‘window’...

Your move is currently scheduled for the....

Week of December 7

Scheduled, fast, seamless upgrades to ease onboarding
Test out upcoming features

introduction upgrade schedule option to pilot

Here you have the option of selecting a group of users to Pilot the November Service Refresh. This is an opportunity to validate new functionality in advance of your scheduled upgrade date which is currently scheduled for the Week of December 21.

Users with Option to Pilot

Bob Kelly
Flip Rehorik
Laura Steele Polly
Rafel Rumian
Rene Valdes
Sanjay Shah

Current Pilot Group

Howard Gonzalez
Isabel Martins
Jay Henningson

Support for upgrade roll-backs and previews
Role-based access control

Who

What

Where
Cloud ready
Enterprise-grade reliability and standards

ISO 27001, SSAE16, FERPA, HIPAA, FISMA & EU Model clauses
Replicated in geo-redundant datacenters to protect against datacenter wide failures
Risk mitigation with multi-dimensional approach to help safeguard services and privacy of data
Backed by a 99.9% financially backed service level agreement
A new look

Minimized ribbon is just one touch away

Consolidate views from different sources into a single contact card

Inline reply lets you compose while staying in context

Fast & fluid Quick Peeks that give you access to your calendar, people and tasks without leaving your inbox

Touch Mode adds more space and finger-friendly Quick Actions

Improved navigation bar for quick access while taking less space

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Stay connected and protected on the go

Hi Sara,

We're still finalizing the quarterly numbers for the northeast region but I wanted to let you know that things are looking really good. We are looking at being about 1.8% above goal for the quarter!

Regards,
Molly

Load more...
Customize your Outlook
Securely give access to apps

Privacy and deployment scopes to make sure that only authorized individuals can use applications
Stop Malware

Malware Detection Response
When malware is detected in any attachment, select whether to block the entire message or to delete all message attachments.
- Block the entire message
- Delete all attachments and use default alert text
- Delete all attachments and use custom alert text

*Custom alert text:

Notifications
Sender Notifications
Sends a message to the sender of the undelivered message.
- Notify internal senders
- Notify external senders

Sender notifications
Sends a message to the administrator of the undelivered message.
- Notify administrator for undelivered messages from internal senders
Administrator email address:
International Spam
- Block email messages written
- Block email messages sent from

Block email based on language
- Code: AZ, Language: Azeri

Block email based on geography
- Code: AX, Region: Åland Islands

Block Spam before it reaches your network
Transparent & granular retention

Policy details transparently displayed to end user

Right click to assign policy to an item, folder or to all your email.
Leading innovation in communication

- Remain in control, online, and on-premises
- Do more, on any device
- Keep the organization safe

A compelling vision for the future
Stop Malicious Software and Spam from Entering into the Messaging Environment

Multiple scan engines throughout the corporate infrastructure
Tight integration with Exchange maximizes availability and performance
Easy-to-use management console provides central configuration and operation
Collaborate Effectively

A Familiar and Rich Outlook Experience Across Clients, Devices and Platforms

Desktop

Web

Mobile
Exchange Server 2013 licensing

Server licenses
With this license type, a license must be assigned for each instance of the server software that is being run. There are two server editions:

- **Standard**: designed for the mailbox needs of small to midsize organizations. Also appropriate for non-mailbox roles in a larger Exchange deployment. This edition supports 1 to 5 mailbox databases.

- **Enterprise**: designed for larger organizations that may require a greater number of mailbox databases. This edition supports 1 to 50 mailbox databases.

CALs
With this license type, a CAL is required for each user or device that accesses the server software. There are two types of CALs for Exchange, both of which work with either edition of the server:

**Standard:** designed to help users be more productive from virtually any platform, browser, or mobile device, with new features in Exchange Server 2013 that help manage communications overload and lower helpdesk costs. To enable Standard CAL features for a user, the user must be licensed with the Standard CAL.

**Enterprise:** designed to allow organizations to reduce the cost and complexity of meeting compliance requirements with new integrated archiving functionality and information protection capabilities, while also helping you cut costs by replacing legacy voice mail systems with Unified Messaging. The Enterprise CAL is sold as an add-on to the Standard CAL—to enable Enterprise CAL features, the user must be licensed with one Standard CAL plus one Enterprise CAL. The Exchange Enterprise CAL is available in two variants: with and without services. The following table provides a detailed feature breakdown for each CAL.
<table>
<thead>
<tr>
<th>Features</th>
<th>Standard CAL</th>
<th>Standard plus Enterprise CAL (with and without Services)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Email, calendar, contacts, and tasks</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Outlook Web App (Internet Explorer, Firefox, Chrome, and Safari support)</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Rich Outlook inbox experience, including enhanced conversation view</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>and MailTips</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Apps for Outlook and Outlook Web App</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Site mailboxes**</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Role-based access control (RBAC) capabilities</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Federated calendar sharing</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Exchange ActiveSync mobile management policies</td>
<td>Standard</td>
<td>Advanced</td>
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<tr>
<td>Journaling</td>
<td>Per database</td>
<td>Per user/distribution list</td>
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<tr>
<td>Journal decryption</td>
<td>No</td>
<td>Yes</td>
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<tr>
<td>Unified Messaging</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Retention policies</td>
<td>Default</td>
<td>Custom</td>
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<tr>
<td>In-Place Archive*</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Multi-mailbox search</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>In-Place Hold</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Data Loss Prevention (DLP)</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Outlook PolicyTips with Data Loss Prevention (DLP)**</td>
<td>No</td>
<td>Yes</td>
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<tr>
<td>Information protection and control (IPC): transport protection rules,</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Outlook protection rules, Information Rights Management (IRM) search</td>
<td></td>
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</tr>
</tbody>
</table>


** Site Mailboxes and Outlook PolicyTips require Office Professional Plus 2013 through volume licensing.
Microsoft® Exchange

Work Smarter, Anywhere.

Gold Certified Partner of Microsoft
THANK YOU