

Document title:	Using Exchange Server with SMTP and POP3
Capture URL:	https://www.itprotoday.com/email-and-calendaring/using-exchange-server-smtp-and-pop3#close-modal
Page loaded at (UTC):	Thu, 16 May 2024 15:44:23 GMT
Capture timestamp (UTC):	Thu, 16 May 2024 15:52:57 GMT
Capture tool:	10.47.3
Collection server IP:	54.145.42.72
Browser engine:	Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/122.0.6261.130 Safari/537.36
Operating system:	Linux (Node 20.9.0)
PDF length:	23
Capture ID:	uAcmKP3gBmcQTmtDKPdPa6
User:	finnegan-admin

PDF REFERENCE #: kQHU2Ura4odS1j58CAckSt

informa

DISCOVER: Data Center KnowledgeInformationWeekNetwork ComputingDark ReadingNo JitterMore

MENU

ITProToday

SEARCHLOG INREGISTERNEWSLETTER SIGN-UP

enterpriseCONNECTAiOctober 1-2, 2024 | Santa Clara, CA

Call for SpeakersDeadline May 17

APPLY TODAY

RECENT

Fintech Green Shoots Offer Hope to Many StartupsMAY 16, 2024

Ordered Back to the Office, Top Tech Talent Left Instead, Study FindsMAY 14, 2024

OpenAI's ChatGPT Launches 'GPT-4o,' Desktop AppMAY 13, 2024

UAE Releases New Falcon AI Model To Challenge Meta, OpenAIMAY 13, 2024

Best Practices for Surviving a Cyber BreachMAY 11, 2024

FEATURED

White House Calls for Adoption of Memory-Safe Programming Languages to Prevent Cyber-AttacksMAR 06, 2024

When You Should (And Shouldn't) Rely on AI ToolsFEB 29, 2024

AWS Follows Google Cloud in Ending Cloud Switching CostsMAR 06, 2024

IT Workers Support DEI Programs, Despite Broader BacklashMAR 01, 2024

COLLABORATION > EMAIL AND CALENDARING

Using Exchange Server with SMTP and POP3

Spyros Sakellariadis | May 31, 1998

f

in

Sending and receiving email with freedom

In his "Inside Out" column, Mark Minasi recently described the workings of the Simple Mail Transfer Protocol (SMTP) and Post Office Protocol (POP) 3 Internet email protocols (for a list of articles about these protocols, see "Related Articles in *Windows NT Magazine*," page 178). This article goes a step further and describes how Microsoft Exchange Server 5.5 works with these protocols. Specifically, I'll describe what happens behind the scenes when you compose an email message in an Exchange Server-based network and send the message to a recipient on the Internet.

Internet Message Transport

When you email an Internet recipient, the mail server you connect to uses SMTP to transport the message to the recipient's email server. Let's look at an example to see how this process works.

Suppose I'm connected to my corporate messaging network and I want to email my friend Mark at mark@minasi.com. After I compose and send the message, it leaves my desktop and travels through my corporate network until it reaches an Internet mail gateway. On my network, this gateway is server Hermes, with host name hermes.paradigms.com.

When Hermes receives the email message, it examines the recipient's address and attempts to locate

ITProToday

Get your daily dose of IT news!

f

LIKE @ITProToday

Document title: Using Exchange Server with SMTP and POP3

Capture URL: https://www.itprotoday.com/email-and-calendar/using-exchange-server-smtp-and-pop3#close-modal

Capture timestamp (UTC): Thu, 16 May 2024 15:52:57 GMT

Google Exhibit 1014, Page 2 of 23



Fintech Green Shoots Offer Hope to Many Startups

MAY 16, 2024

Ordered Back to the Office, Top Tech Talent Left Instead, Study Finds

MAY 14, 2024

OpenAI's ChatGPT Launches 'GPT-4o,' Desktop App

MAY 13, 2024

UAE Releases New Falcon AI Model To Challenge Meta, OpenAI

MAY 13, 2024

Best Practices for Surviving a Cyber Breach

MAY 11, 2024

FEATURED

White House Calls for Adoption of Memory-Safe Programming Languages to Prevent Cyber-Attacks

MAR 06, 2024

When You Should (And Shouldn't) Rely on AI Tools

FEB 29, 2024

AWS Follows Google Cloud in Ending Cloud Switching Costs

MAR 06, 2024

IT Workers Support DEI Programs, Despite Broader Backlash

MAR 01, 2024

Hermes queries a Domain Name System (DNS) server for the mail exchanger (MX) and address (A) records for the domain. (For more information about DNS, see "Related Articles in *Windows NT Magazine*.") Because I'm sending a message to mark@minasi.com, Hermes will look for MX and A records that match minasi.com. If you perform an NSLOOKUP for minasi.com on any DNS server connected to the Internet, you see the following information:

minasi.com MX preference = 10, mail exchanger = arlington.minasi.com

arlington.minasi.com internet address = 199.34.57.24

This information tells Hermes that the Exchange server for my network should deliver email for anyone at minasi.com to server arlington.minasi.com, which has an IP address of 199.34.57.24. To send email to mark@minasi.com, Hermes attempts to connect to TCP port 25 of the Arlington server. To receive SMTP email, Arlington must run SMTP host software and respond appropriately when any server sending SMTP email connects to it. You can Telnet to TCP port 25 of Arlington to see the reply Hermes will receive, which will look similar to the following reply:

220 arlington.minasi.com ESMTP Server (Microsoft Exchange Internet Mail Service 5.5.1960.3) ready

This information tells Hermes that the Arlington server is an SMTP host ready to receive email. In addition, Hermes can see that Arlington is running Microsoft Exchange Server and the Internet Mail Service (IMS), and supports Enhanced SMTP (ESMTP). At this point, Hermes hasn't confirmed that Arlington will receive email for the domain minasi .com or that user mark@minasi.com exists, but Hermes trusts the DNS records. Hermes then begins to transfer my email message to Arlington using SMTP.

Exchange Server's SMTP Support

In addition to being the Internet mail gateway for my network, Hermes runs Exchange Server 5.5. My mailbox is on another server (Athena), and I use the Outlook email client. Unfortunately, I don't know whether the mailbox for mark@minasi.com is on Arlington or on a remote network server, and I can't be sure what email client Mark will use to read my message. As a result, I assume that the environment looks similar to what you see in [Figure 1](#).

Figure 1 shows two Outlook clients (Patmos and MarkPC) and three Exchange servers (Athena, Hermes, and Arlington), with differing functions. My email client is on Patmos, and Mark's email client is on MarkPC. My mailbox is on Athena, and Mark's mailbox is on Arlington. IMS is running on Hermes and Arlington, and the Message Transfer Agent (MTA), which delivers the email to the proper recipient, is running on all three Exchange servers.

Figure 1 also shows a DNS server (with host name dns.dcnw.com) running at an Internet Service



RECENT

Fintech Green Shoots Offer Hope to Many Startups

MAY 16, 2024

Ordered Back to the Office, Top Tech Talent Left Instead, Study Finds

MAY 14, 2024

OpenAI's ChatGPT Launches 'GPT-4o,' Desktop App

MAY 13, 2024

UAE Releases New Falcon AI Model To Challenge Meta, OpenAI

MAY 13, 2024

Best Practices for Surviving a Cyber Breach

MAY 11, 2024

FEATURED

White House Calls for Adoption of Memory-Safe Programming Languages to Prevent Cyber-Attacks

MAR 06, 2024

When You Should (And Shouldn't) Rely on AI Tools

FEB 29, 2024

AWS Follows Google Cloud in Ending Cloud Switching Costs

MAR 06, 2024

IT Workers Support DEI Programs, Despite Broader Backlash

MAR 01, 2024

Exchange servers

Figure 1 also shows a DNS server (with host name dns.dcnw.com) running at an Internet Service Provider (ISP). IMS and MTA are true NT services that you can view under the Services applet in Control Panel, as [Screen 1](#), page 180, shows (you will see IMS in the list of NT services only if you install it on an Exchange server on your network).

All Exchange servers must run four core services: MTA, the Information Store, the Directory Service, and the System Attendant. The Information Store houses email messages and recipients' mailboxes. The Directory Service maintains the directory, including the address book and address-book lookups. The System Attendant is a base service that all the other services depend on.

Within an Exchange-based organization, the servers' MTA services deliver all the email. These services use SMTP, X.400, or MS Mail addresses to locate and identify the Exchange recipients. Individuals with Exchange mailboxes can always address and send mail to other Exchange users in the same Exchange-based organization using the SMTP address format (i.e., user@ domain). You don't need to install and configure IMS to enable this level of email delivery. However, if you install and configure IMS on any of the organization's Exchange servers, individuals can send email to users within the organization and on external mail systems (e.g., the Internet). In the example in Figure 1, my email message to Mark travels through the system as follows:

1. I use the Outlook client on Patmos to compose and submit my email message for delivery. The message is in a proprietary Microsoft format and Outlook uses Messaging API (MAPI) function calls to deliver the message to Athena, the Exchange server that houses my mailbox.

2. MTA on Athena recognizes that my email message is addressed to a recipient outside my network, so it transfers the message to Hermes, the only server with an external gateway.

3. MTA on Hermes receives my email message from Athena, sees that the message is addressed to a recipient outside my network, and hands the message to the local IMS for processing.

4. IMS on Hermes converts the message from MAPI binary format to SMTP plain text. IMS then performs a DNS query (e.g., to dns.dcnw.com in Figure 1), and connects to IMS on Arlington to deliver the plain text message via SMTP.

5. IMS on Arlington checks the recipient, recognizes mark@minasi.com as a local address, and translates the plain text message back to MAPI format.

6. MTA on Arlington receives my email message from the local IMS, and places the message in Mark's mailbox on Arlington.

7. Mark reads the message with the Outlook email client, using MAPI, POP3, or the Internet Message Access Protocol (IMAP).

Several actions happen in step 2 of this process. When I submit my email message to Athena, MTA looks at the Exchange Global Address List to determine whether the mark@minasi.com address belongs to someone in my organization. Because this address is outside the organization, MTA looks



RECENT

Fintech Green Shoots Offer Hope to Many Startups

MAY 16, 2024

Ordered Back to the Office, Top Tech Talent Left Instead, Study Finds

MAY 14, 2024

OpenAI's ChatGPT Launches 'GPT-4o,' Desktop App

MAY 13, 2024

UAE Releases New Falcon AI Model To Challenge Meta, OpenAI

MAY 13, 2024

Best Practices for Surviving a Cyber Breach

MAY 11, 2024

FEATURED

White House Calls for Adoption of Memory-Safe Programming Languages to Prevent Cyber-Attacks

MAR 06, 2024

When You Should (And Shouldn't) Rely on AI Tools

FEB 29, 2024

AWS Follows Google Cloud in Ending Cloud Switching Costs

MAR 06, 2024

IT Workers Support DEI Programs, Despite Broader Backlash

MAR 01, 2024

Several actions happen in step 2 of this process. When I submit my email message to Athena, MTA looks at the Exchange Global Address List to determine whether the mark@minasi.com address belongs to someone in my organization. Because this address is outside the organization, MTA looks in a Gateway Address Routing Table (GWART) to determine whether a server in the organization can deliver external mail. When my company installed IMS on Hermes, the software put an entry into the organization's GWART that said, "Hermes can handle all outbound SMTP mail." Consequently, when Athena's MTA looks at the GWART to determine which server can deliver my email message, it finds Hermes. IMS on Hermes then processes the mail according to the requirements in the Request for Comments (RFC) for SMTP messaging. Note that only two computers (Hermes and Arlington) in this scenario must support the SMTP protocol. The other computers in the network don't require any additional software, and you don't need to modify their existing software to enable SMTP messaging.

Exchange Server's POP3 Support

When my email message arrives in Mark's inbox, Exchange stores the message in the Information Store (priv.edb) on Arlington, which I assume houses Mark's mailbox. Mark can read my email message with any email client, including those that use POP3, MAPI, and IMAP.

A POP3 server listens on TCP port 110 for a user such as Mark to connect, identify himself, and download his mail. With Exchange Server, the Information Store service listens on TCP port 110. You don't need to install and run any additional service (such as an Exchange POP3 service) for Exchange to support POP3, and you don't even have to install IMS in the organization. However, you must enable POP3 for a user at the site level, the server level, or the mailbox level.

A Protocols container at the site level includes a POP3 object. [Screen 2](#), page 182, shows the properties of the POP3 object. When you select the *Enable protocol* check box, the Information Store listens on the server as TCP port 110 for user requests. You can Telnet to TCP port 110 of the server to see the reply a client program will receive, which will look similar to the following reply:

+OK Microsoft Exchange POP3 server version 5.5.1960.6 ready.

This response tells the client that the server is a POP3 server and is ready to authenticate users and give them their email. At this point, the client identifies the user and requests email using POP3. When you enable POP3 at the site level, you automatically enable it at the server and mailbox levels. [Screen 3](#) shows the properties of Mark's mailbox on Arlington, and displays the protocols enabled for his mailbox.

[Screen 3](#) shows that Mark can access his mailbox with several protocols, including POP3. Mark's mailbox inherits these protocol settings from the Exchange server, but you can modify these settings for each mailbox by clicking Settings. [Screen 4](#) shows the details of Mark's POP3 settings.

You can turn off POP3 support for a particular user, or you can change the parameters that determine how the server handles POP3 messages. As you can with many Exchange features, you can define a default behavior for a group of users and override it as necessary.

Now that you have an idea of how you can use Exchange Server with SMTP and POP3 to deliver and read email, you can start to optimize the email clients within your Exchange-based organization. In a future article, I'll describe how you configure various Microsoft email clients (Exchange, Outlook, Outlook Express, and Internet Explorer) to use different protocols such as SMTP, POP3, IMAP, and HTTP with Exchange Server.

RECENT

Fintech Green Shoots Offer Hope to Many Startups

MAY 16, 2024

Ordered Back to the Office, Top Tech Talent Left Instead, Study Finds

MAY 14, 2024

OpenAI's ChatGPT Launches 'GPT-4o,' Desktop App

MAY 13, 2024

UAE Releases New Falcon AI Model To Challenge Meta, OpenAI

MAY 13, 2024

Best Practices for Surviving a Cyber Breach

MAY 11, 2024

FEATURED

White House Calls for Adoption of Memory-Safe Programming Languages to Prevent Cyber-Attacks

MAR 06, 2024

When You Should (And Shouldn't) Rely on AI Tools

FEB 29, 2024

AWS Follows Google Cloud in Ending Cloud Switching Costs

MAR 06, 2024

IT Workers Support DEI Programs, Despite Broader Backlash

MAR 01, 2024

Outlook Express, and Internet Explorer, to use different protocols such as SMTP, POP3, IMAP, and HTTP with Exchange Server.

TAGS: [EMAIL AND CALENDARING](#)

1 COMMENT

RECOMMENDED READING

Using Microsoft Email Clients with Exchange Server

JUN 30, 1998



Zoom Releases New AI-Powered Collaboration

MAR 26, 2024



Monitoring Employee Productivity, Balance

JAN 03, 2024



At Zoomtopia, Small Businesses Share

OCT 12, 2023

ITProToday

SIGN UP

ITPro Today Newsletter
Get Updates Daily or Weekly



News Analysis



COLLABORATION > EMAIL AND CALENDARING

Zoomtopia 2022 Final Thoughts: Zoom Sets Up

RECENT

Fintech Green Shoots Offer Hope to Many Startups

MAY 16, 2024

Ordered Back to the Office, Top Tech Talent Left Instead, Study Finds

MAY 14, 2024

OpenAI's ChatGPT Launches 'GPT-4o,' Desktop App

MAY 13, 2024

UAE Releases New Falcon AI Model To Challenge Meta, OpenAI

MAY 13, 2024

Best Practices for Surviving a Cyber Breach

MAY 11, 2024

FEATURED

White House Calls for Adoption of Memory-Safe Programming Languages to Prevent Cyber-Attacks

MAR 06, 2024

When You Should (And Shouldn't) Rely on AI Tools

FEB 29, 2024

AWS Follows Google Cloud in Ending Cloud Switching Costs

MAR 06, 2024

IT Workers Support DEI Programs, Despite Broader Backlash

MAR 01, 2024

Zoom Sets Up Further Growth

Zoom hopes to continue its growth by expanding into more product categories and capitalizing on more cloud migrations to come.

Zeus Kerravala | Nov 15, 2022



Zoomtopia 2022 is now in the books, and it was nice to see the event run in a hybrid format with an in-person component after two years of being virtual only. Beyond the return of an in-person event, it's hard to overstate just how much has changed with Zoom since 2019, the date of the last in-person Zoomtopia. The company closed its fiscal 2019 with \$540 million in revenue and was a video-only company. Today, its revenue is a shade over \$4 billion, and it has expanded its products to include phone, contact center, events, webinars, and more services.

Obviously, massive change isn't limited to Zoom. The pandemic, [hybrid work](#), social justice, digital transformation, the great resignation, a war, and a possible recession have completely reshaped the business landscape, leaving IT and business leaders scratching their heads as to how to proceed. While the future of work (and the world) has many uncertainties, one thing is known — communication and collaboration tools like Zoom will play a critical role.

Related: [Collaboration and Communication Technology Sparks Enterprise Concern](#)

Because of this, I've been eagerly anticipating this year's Zoomtopia to see how Zoom is positioning itself, what innovations it's made and what the future might look like, and here are my top five thoughts.

1. Zoom's Pace of Innovation is Accelerating

I read [Dave Michel's](#) post where he stated that "not much" innovation was announced at Zoomtopia. That's completely incorrect. In fact, equity analyst Catherine Trebnick of MKM Partners titled her investor note, "Zoom Investor Day – More Like Product Innovation Day." The big news was obviously its [entry into the email/calendar market](#), which I'll discuss in a bit, but in addition to that, the company also announced several new features, including:

- Live captioning and multi-language support for Zoom Meetings

ITProToday™

Read
ITPro Today News
and Get Smarter



FOLLOW
@ITProToday

RECENT

Fintech Green Shoots Offer Hope to Many Startups

MAY 16, 2024

Ordered Back to the Office, Top Tech Talent Left Instead, Study Finds

MAY 14, 2024

OpenAI's ChatGPT Launches 'GPT-4o,' Desktop App

MAY 13, 2024

UAE Releases New Falcon AI Model To Challenge Meta, OpenAI

MAY 13, 2024

Best Practices for Surviving a Cyber Breach

MAY 11, 2024

FEATURED

White House Calls for Adoption of Memory-Safe Programming Languages to Prevent Cyber-Attacks

MAR 06, 2024

When You Should (And Shouldn't) Rely on AI Tools

FEB 29, 2024

AWS Follows Google Cloud in Ending Cloud Switching Costs

MAR 06, 2024

IT Workers Support DEI Programs, Despite Broader Backlash

MAR 01, 2024

the company also announced several new features, including:

- Live captioning and multi-language support for Zoom Meetings
- Its eCDN, Zoom Mesh for webinars and virtual events
- Zoom Spots, which enables better co-working and team building
- Zoom Contact Center Virtual Agent
- Zoom Clips, its asynchronous video feature
- Zoom IQ for sales personalizes speech and provides analytics
- Enhancements to Zoom Team Chat
- Intelligent director improves virtual meeting participation
- Digital experience monitoring with Palo Alto Networks and Zscaler
- Zoom Avatars and more

[Continue Reading This Article on No Jitter](#)

0 COMMENTS

RECOMMENDED READING

**Zoom Releases New AI-Powered Collaboration**

MAR 26, 2024

**Monitoring Employee Productivity, Balance**

JAN 03, 2024

**At Zoomtopia, Small Businesses Share**

OCT 12, 2023

**Zoom Unveils Docs, Upgrades Contact Center**

OCT 03, 2023

Sign up for the ITPro Today newsletter.

United States ▼

SIGN UP ►

ITProToday™

Read ITPro Today News
and Get Smarter



FOLLOW @ITProToday



RECENT

Fintech Green Shoots Offer Hope to Many Startups

MAY 16, 2024

Ordered Back to the Office, Top Tech Talent Left Instead, Study Finds

MAY 14, 2024

OpenAI's ChatGPT Launches 'GPT-4o,' Desktop App

MAY 13, 2024

UAE Releases New Falcon AI Model To Challenge Meta, OpenAI

MAY 13, 2024

Best Practices for Surviving a Cyber Breach

MAY 11, 2024

FEATURED

White House Calls for Adoption of Memory-Safe Programming Languages to Prevent Cyber-Attacks

MAR 06, 2024

When You Should (And Shouldn't) Rely on AI Tools

FEB 29, 2024

AWS Follows Google Cloud in Ending Cloud Switching Costs

MAR 06, 2024

IT Workers Support DEI Programs, Despite Broader Backlash

MAR 01, 2024



Opinion

Alamy



COLLABORATION > EMAIL AND CALENDARING

Long Live Email

Email remains a crucial tool for asynchronous communications and collaboration.

Eric Krapf | Nov 11, 2022



When Slack was founded nearly 10 years ago, it quickly gained the reputation as an aspiring “email killer.” It’s worth noting, however, that none other than Slack co-founder Stewart Butterfield described email in 2015 as “the cockroach of the Internet.” As in, you can’t kill it.

And he was right.

Related: [Google Apps vs. Microsoft Apps: Which Do Young People Like More?](#)

The most recent evidence of email’s durability is Zoom’s announcement this week of an email and calendaring component to its platform (see Dave Michels’ excellent [No Jitter analysis](#) of the move). Zoom intends to build a complete platform to challenge Microsoft Teams and has decided email is a critical part of any such platform.

For me, the most telling part of Michels’ post was his statement that, “our inboxes have become a central repository of all sorts of data.” It’s true. When I need to find a report from eight years ago, I search my email archives. Even now that many of us use Box or SharePoint or other online repositories, invariably if someone else needs to let you know they’ve created a document for you to look at online, they (sometimes via the repository) send you an email with the link.

Longer-term, [communications and collaboration technologies](#) are converging with workplace productivity, project management, and similar systems, and this trend could diminish email’s role as that central repository Michels described. But it likely won’t eliminate this role, because of the interoperability challenge he cites. Workplace apps tend to be used by internal teams, but there’s still a need to collaborate and exchange information externally as well, which usually requires an interoperable lowest-common-denominator tool.

RECENT

Fintech Green Shoots Offer Hope to Many Startups

MAY 16, 2024

Ordered Back to the Office, Top Tech Talent Left Instead, Study Finds

MAY 14, 2024

OpenAI's ChatGPT Launches 'GPT-4o,' Desktop App

MAY 13, 2024

UAE Releases New Falcon AI Model To Challenge Meta, OpenAI

MAY 13, 2024

Best Practices for Surviving a Cyber Breach

MAY 11, 2024

FEATURED

White House Calls for Adoption of Memory-Safe Programming Languages to Prevent Cyber-Attacks

MAR 06, 2024

When You Should (And Shouldn't) Rely on AI Tools

FEB 29, 2024

AWS Follows Google Cloud in Ending Cloud Switching Costs

MAR 06, 2024

IT Workers Support DEI Programs, Despite Broader Backlash

MAR 01, 2024

interoperability challenge he cites. Workplace apps tend to be used by internal teams, but there's still a need to collaborate and exchange information externally as well, which usually requires an interoperable lowest-common-denominator tool.

Another key feature of email is that it's asynchronous. The value of asynchronous communications comes out in the phrase you see a lot on the Internet, "This meeting could have been an email." Sometimes (often?) people prefer email to more "modern" forms of communications, for its convenience and efficiency. We're starting to see collaboration vendors push asynchronous video to help people communicate in a way that fits with [post-pandemic work styles](#). But since we've already got email, video will have to prove itself more useful than asynchronous text if this mode is to take off.

[Continue Reading This Article on No Jitter](#)

0 COMMENTS

RECOMMENDED READING



Zoom Releases New AI-Powered Collaboration
MAR 26, 2024



Monitoring Employee Productivity, Balance
JAN 03, 2024



At Zoomtopia, Small Businesses Share
OCT 12, 2023



Zoom Unveils Docs, Upgrades Contact Center
OCT 03, 2023

News



[COLLABORATION](#) > [EMAIL AND CALENDARING](#)

Zoom Seeks to Expand Beyond Video With Email, Calendar Tools

RECENT

Fintech Green Shoots Offer Hope to Many Startups

MAY 16, 2024

Ordered Back to the Office, Top Tech Talent Left Instead, Study Finds

MAY 14, 2024

OpenAI's ChatGPT Launches 'GPT-4o,' Desktop App

MAY 13, 2024

UAE Releases New Falcon AI Model To Challenge Meta, OpenAI

MAY 13, 2024

Best Practices for Surviving a Cyber Breach

MAY 11, 2024

FEATURED

White House Calls for Adoption of Memory-Safe Programming Languages to Prevent Cyber-Attacks

MAR 06, 2024

When You Should (And Shouldn't) Rely on AI Tools

FEB 29, 2024

AWS Follows Google Cloud in Ending Cloud Switching Costs

MAR 06, 2024

IT Workers Support DEI Programs, Despite Broader Backlash

MAR 01, 2024

interoperability challenge he cites. Workplace apps tend to be used by internal teams, but there's still a need to collaborate and exchange information externally as well, which usually requires an interoperable lowest-common-denominator tool.

Another key feature of email is that it's asynchronous. The value of asynchronous communications comes out in the phrase you see a lot on the Internet, "This meeting could have been an email." Sometimes (often?) people prefer email to more "modern" forms of communications, for its convenience and efficiency. We're starting to see collaboration vendors push asynchronous video to help people communicate in a way that fits with [post-pandemic work styles](#). But since we've already got email, video will have to prove itself more useful than asynchronous text if this mode is to take off.

[Continue Reading This Article on No Jitter](#)

0 COMMENTS

RECOMMENDED READING

**Zoom Releases New AI-Powered Collaboration**

MAR 26, 2024

**Monitoring Employee Productivity, Balance**

JAN 03, 2024

**At Zoomtopia, Small Businesses Share**

OCT 12, 2023

**Zoom Unveils Docs, Upgrades Contact Center**

OCT 03, 2023

News

[COLLABORATION](#) > [EMAIL AND CALENDARING](#)

Zoom Seeks to Expand Beyond Video With Email, Calendar Tools

RECENT

Fintech Green Shoots Offer Hope to Many Startups

MAY 16, 2024

Ordered Back to the Office, Top Tech Talent Left Instead, Study Finds

MAY 14, 2024

OpenAI's ChatGPT Launches 'GPT-4o,' Desktop App

MAY 13, 2024

UAE Releases New Falcon AI Model To Challenge Meta, OpenAI

MAY 13, 2024

Best Practices for Surviving a Cyber Breach

MAY 11, 2024

FEATURED

White House Calls for Adoption of Memory-Safe Programming Languages to Prevent Cyber-Attacks

MAR 06, 2024

When You Should (And Shouldn't) Rely on AI Tools

FEB 29, 2024

AWS Follows Google Cloud in Ending Cloud Switching Costs

MAR 06, 2024

IT Workers Support DEI Programs, Despite Broader Backlash

MAR 01, 2024

Bloomberg News | Nov 08, 2022



(Bloomberg) -- Zoom Video Communications Inc. is adding email and calendar features to its suite of tools as part of an effort to reverse a post-pandemic slowdown.

The new features are a bid to centralize more work on Zoom's platform, keeping users on the app throughout the day rather than just to take meetings. The company's new email and calendar tools, which will be launched in a test version for clients, can be linked with other popular providers like Alphabet Inc.'s Gmail and Microsoft Corp.'s Outlook, Zoom said Tuesday. There's also a Zoom-hosted email client aimed at smaller businesses without dedicated IT teams.

Related: [Collaboration and Communication Technology Sparks Enterprise Concern](#)

Persistent team video calls, billed as digital coworking spaces, will also be added to the platform in 2023 along with more advanced artificial intelligence tools, including call analytics and customer-facing chat bots. The updates are being unveiled this week at Zoomtopia, the San Jose, California-based company's annual user conference.

Zoom's breakneck growth during the pandemic ended as offices reopened and competition intensified. Sales to consumers and small businesses are expected to decline 7% to 8% this year, Chief Financial Officer Kelly Steckelberg said on an earnings call in August.

The company is responding by parlaying the success of its widely used video service into a suite of productivity tools that more directly competes with Microsoft's Teams and Salesforce Inc.'s Slack. This includes always-on chat, collaborative digital whiteboards, office phone systems and even physical conference room setups.

Still, it's unclear whether there is appetite for more office software as research shows the amount of apps used by large corporations has soared. A recent study found that workers at big companies spend, on average, nearly four hours a week [nearly four hours a week](#) toggling between different apps.

Chief Product Officer Oded Gal says that integrating workflows like email onto Zoom is actually a

[READ MORE](#)

0 COMMENTS

RECOMMENDED READING



Zoom Releases New AI-



Monitoring Employee

RECENT

Fintech Green Shoots Offer Hope to Many Startups

MAY 16, 2024

Ordered Back to the Office, Top Tech Talent Left Instead, Study Finds

MAY 14, 2024

OpenAI's ChatGPT Launches 'GPT-4o,' Desktop App

MAY 13, 2024

UAE Releases New Falcon AI Model To Challenge Meta, OpenAI

MAY 13, 2024

Best Practices for Surviving a Cyber Breach

MAY 11, 2024

FEATURED

White House Calls for Adoption of Memory-Safe Programming Languages to Prevent Cyber-Attacks

MAR 06, 2024

When You Should (And Shouldn't) Rely on AI Tools

FEB 29, 2024

AWS Follows Google Cloud in Ending Cloud Switching Costs

MAR 06, 2024

IT Workers Support DEI Programs, Despite Broader Backlash

MAR 01, 2024

Bloomberg News | Nov 08, 2022



(Bloomberg) -- Zoom Video Communications Inc. is adding email and calendar features to its suite of tools as part of an effort to reverse a post-pandemic slowdown.

The new features are a bid to centralize more work on Zoom's platform, keeping users on the app throughout the day rather than just to take meetings. The company's new email and calendar tools, which will be launched in a test version for clients, can be linked with other popular providers like Alphabet Inc.'s Gmail and Microsoft Corp.'s Outlook, Zoom said Tuesday. There's also a Zoom-hosted email client aimed at smaller businesses without dedicated IT teams.

Related: Collaboration and Communication Technology Sparks Enterprise Concern

Persistent team video calls, billed as digital coworking spaces, will also be added to the platform in 2023 along with more advanced artificial intelligence tools, including call analytics and customer-facing chat bots. The updates are being unveiled this week at Zoomtopia, the San Jose, California-based company's annual user conference.

Zoom's breakneck growth during the pandemic ended as offices reopened and competition intensified. Sales to consumers and small businesses are expected to decline 7% to 8% this year, Chief Financial Officer Kelly Steckelberg said on an earnings call in August.

ADVERTISEMENT

READ MORE

0 COMMENTS

RECOMMENDED READING

**Zoom Releases New AI-****Monitoring Employee**

RECENT

Fintech Green Shoots Offer Hope to Many Startups

MAY 16, 2024

Ordered Back to the Office, Top Tech Talent Left Instead, Study Finds

MAY 14, 2024

OpenAI's ChatGPT Launches 'GPT-4o,' Desktop App

MAY 13, 2024

UAE Releases New Falcon AI Model To Challenge Meta, OpenAI

MAY 13, 2024

Best Practices for Surviving a Cyber Breach

MAY 11, 2024

FEATURED

White House Calls for Adoption of Memory-Safe Programming Languages to Prevent Cyber-Attacks

MAR 06, 2024

When You Should (And Shouldn't) Rely on AI Tools

FEB 29, 2024

AWS Follows Google Cloud in Ending Cloud Switching Costs

MAR 06, 2024

IT Workers Support DEI Programs, Despite Broader Backlash

MAR 01, 2024

Is it always a good thing for IT to be the sole decision maker?

Eric Krapf | Oct 07, 2022



At our Enterprise Connect (EC) digital event last week, Kevin Kieller of enableUC, a frequent No Jitter contributor and EC speaker, made an interesting comment in the chat window of our keynote session. He said he'd heard a great line at a recent conference; someone said, "I set my out-of-the-office when I go into the office."

What the speaker meant according to Kieller, is that their office has become "more of a social space." "Often when working remote, knowledge workers are more reachable and responsive," Kieller added in contrast.

Related: [The Future of Work Is Hybrid](#)

That makes sense. If remote is primarily for heads-down work, that means the end user is peering at a screen that probably teems (no pun intended, honestly) with continual chat message popups and email alerts. It can be a lot harder to avoid people in that circumstance, even if you're sitting in a room by yourself.

In contrast, the office now is meant to attract workers with features up to and including colleagues eager to share the more creative interactions that many people find difficult in [remote collaboration](#). Even if these employees have their laptops open and in front of them, their attention is likely to be held by those they're in the room with.

It's critical for IT/communications professionals to understand these bits of end users' lived experience. And it's not clear that they're as well positioned to gain this understanding as they could be. In the keynote session where Kieller made his chat comment, Adam Holtby of Omdia, the lead speaker, noted that his recent Future of Work survey found, "IT remain the digital gatekeepers." Specifically, when respondents were asked, "What is your organization's approach when procuring new technologies?" the answers broke down as follows:

- IT department determines the need and makes the final recommendation: 48%
- Senior management evaluate the solution and provide research on investment decisions to departments/business units: 29%
- Our organization makes decisions with the input of stakeholders from across different business units: 18%
- Individual departments research and decide on the solutions that best suit their needs: 5%

[Continue Reading this Article on No Jitter](#)

0 COMMENTS

RECOMMENDED READING

RECENT

Fintech Green Shoots Offer Hope to Many Startups

MAY 16, 2024

Ordered Back to the Office, Top Tech Talent Left Instead, Study Finds

MAY 14, 2024

OpenAI's ChatGPT Launches 'GPT-4o,' Desktop App

MAY 13, 2024

UAE Releases New Falcon AI Model To Challenge Meta, OpenAI

MAY 13, 2024

Best Practices for Surviving a Cyber Breach

MAY 11, 2024

FEATURED

White House Calls for Adoption of Memory-Safe Programming Languages to Prevent Cyber-Attacks

MAR 06, 2024

When You Should (And Shouldn't) Rely on AI Tools

FEB 29, 2024

AWS Follows Google Cloud in Ending Cloud Switching Costs

MAR 06, 2024

IT Workers Support DEI Programs, Despite Broader Backlash

MAR 01, 2024

ITProToday

ITPro Today Newsletter

Get Updates Daily or Weekly

SIGN UP

Eric Krapf | Oct 07, 2022



At our Enterprise Connect (EC) digital event last week, Kevin Kieller of enableUC, a frequent No Jitter contributor and EC speaker, made an interesting comment in the chat window of our keynote session. He said he'd heard a great line at a recent conference; someone said, "I set my out-of-the-office when I go into the office."

What the speaker meant according to Kieller, is that their office has become "more of a social space." "Often when working remote, knowledge workers are more reachable and responsive," Kieller added in contrast.

Related: [The Future of Work Is Hybrid](#)

That makes sense. If remote is primarily for heads-down work, that means the end user is peering at a screen that probably teems (no pun intended, honestly) with continual chat message popups and email alerts. It can be a lot harder to avoid people in that circumstance, even if you're sitting in a room by yourself.

In contrast, the office now is meant to attract workers with features up to and including colleagues eager to share the more creative interactions that many people find difficult in [remote collaboration](#). Even if these employees have their laptops open and in front of them, their attention is likely to be held by those they're in the room with.

It's critical for IT/communications professionals to understand these bits of end users' lived experience. And it's not clear that they're as well positioned to gain this understanding as they could be. In the keynote session where Kieller made his chat comment, Adam Holtby of Omdia, the lead speaker, noted that his recent Future of Work survey found, "IT remain the digital gatekeepers." Specifically, when respondents were asked, "What is your organization's approach when procuring new technologies?" the answers broke down as follows:

- IT department determines the need and makes the final recommendation: 48%
- Senior management evaluate the solution and provide research on investment decisions to departments/business units: 29%
- Our organization makes decisions with the input of stakeholders from across different business units: 18%
- Individual departments research and decide on the solutions that best suit their needs: 5%

[Continue Reading this Article on No Jitter](#)

0 COMMENTS

RECOMMENDED READING

RECENT

Fintech Green Shoots Offer Hope to Many Startups

MAY 16, 2024

Ordered Back to the Office, Top Tech Talent Left Instead, Study Finds

MAY 14, 2024

OpenAI's ChatGPT Launches 'GPT-4o,' Desktop App

MAY 13, 2024

UAE Releases New Falcon AI Model To Challenge Meta, OpenAI

MAY 13, 2024

Best Practices for Surviving a Cyber Breach

MAY 11, 2024

FEATURED

White House Calls for Adoption of Memory-Safe Programming Languages to Prevent Cyber-Attacks

MAR 06, 2024

When You Should (And Shouldn't) Rely on AI Tools

FEB 29, 2024

AWS Follows Google Cloud in Ending Cloud Switching Costs

MAR 06, 2024

IT Workers Support DEI Programs, Despite Broader Backlash

MAR 01, 2024

collaboration strategies.

Dana Casielles | Sep 29, 2022



At Unily's Unite 22 hybrid show last week, Cheryl McKinnon, principal analyst at Forrester, shared recent insights during her session, "Top Tech Trends Shaping the Digital Workplace," all of which centered around the idea of the employee experience. She identified three components that must cohere with one another: the digital employee experience team, enterprise leadership's increased interest in employee experience, and employee experience as a key driver in [supporting anywhere work](#).

McKinnon then unpacked the data demonstrating what these digital workplace technology trends mean for your employee experience, communications, and collaboration strategies.

Employee Experience Rises in Priority

Related: [How to Build a Digital Work Hub](#)

Forrester has noticed a rise in employee experience in terms of executive priority. When examining customer experience over the last decade, McKinnon cited [The Employee Experience Index](#), launched in 2019, and described what these findings mean for employees.

Many organizations pivoted to improving customer experience through technologies, management strategies, and process investments —rules that govern investors' behavior so they can stick to the principles of their investment strategy. But then, McKinnon said, organizations started to realize, "hey, we need to turn this back on employees—we've got to create the same level of upskilling, investments, and fresh technologies available to our internal teams."

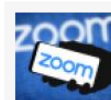
Forrester uses three characteristics to measure its employee experience. The first is empowerment, i.e., how organizations define how employees can best do their job. She asked, "How can your organization use this new level of employee empowerment to help them focus on serving their customers?"

Inspiration, Forrester's second characteristic, plays a major role in a top down managerial style in distributing recognition," sharing results, or being transparent about goals and outcomes.

[READ MORE](#)

0 COMMENTS

RECOMMENDED READING



Zoom Releases New AI-Powered Collaboration
MAR 26, 2024



Monitoring Employee Productivity, Balance
JAN 03, 2024

RECENT

Fintech Green Shoots Offer Hope to Many Startups

MAY 16, 2024

Ordered Back to the Office, Top Tech Talent Left Instead, Study Finds

MAY 14, 2024

OpenAI's ChatGPT Launches 'GPT-4o,' Desktop App

MAY 13, 2024

UAE Releases New Falcon AI Model To Challenge Meta, OpenAI

MAY 13, 2024

Best Practices for Surviving a Cyber Breach

MAY 11, 2024

FEATURED

White House Calls for Adoption of Memory-Safe Programming Languages to Prevent Cyber-Attacks

MAR 06, 2024

When You Should (And Shouldn't) Rely on AI Tools

FEB 29, 2024

AWS Follows Google Cloud in Ending Cloud Switching Costs

MAR 06, 2024

IT Workers Support DEI Programs, Despite Broader Backlash

MAR 01, 2024

collaboration strategies.

ITProToday

SIGN UP

ITPro Today Newsletter

Get Updates Daily or Weekly



At Unily's Unite 22 hybrid show last week, Cheryl McKinnon, principal analyst at Forrester, shared recent insights during her session, "Top Tech Trends Shaping the Digital Workplace," all of which centered around the idea of the employee experience. She identified three components that must cohere with one another: the digital employee experience team, enterprise leadership's increased interest in employee experience, and employee experience as a key driver in [supporting anywhere work](#).

McKinnon then unpacked the data demonstrating what these digital workplace technology trends mean for your employee experience, communications, and collaboration strategies.

Employee Experience Rises in Priority

Related: [How to Build a Digital Work Hub](#)

Forrester has noticed a rise in employee experience in terms of executive priority. When examining customer experience over the last decade, McKinnon cited [The Employee Experience Index](#), launched in 2019, and described what these findings mean for employees.

Many organizations pivoted to improving customer experience through technologies, management strategies, and process investments —rules that govern investors' behavior so they can stick to the principles of their investment strategy. But then, McKinnon said, organizations started to realize, "hey, we need to turn this back on employees—we've got to create the same level of upskilling, investments, and fresh technologies available to our internal teams."

Forrester uses three characteristics to measure its employee experience. The first is empowerment, i.e., how organizations define how employees can best do their job. She asked, "How can your organization use this new level of employee empowerment to help them focus on serving their customers?"

Inspiration, Forrester's second characteristic, plays a major role in a top down managerial style in distributing recognition," sharing results, or being transparent about goals and outcomes.

[READ MORE](#)

0 COMMENTS

RECOMMENDED READING

**Zoom Releases New AI-Powered Collaboration**

MAR 26, 2024

**Monitoring Employee Productivity, Balance**

JAN 03, 2024

**At Zoomtopia, Small Businesses Share****Zoom Unveils Docs, Unifies Contact Center**

RECENT

Fintech Green Shoots Offer Hope to Many Startups

MAY 16, 2024

Ordered Back to the Office, Top Tech Talent Left Instead, Study Finds

MAY 14, 2024

OpenAI's ChatGPT Launches 'GPT-4o,' Desktop App

MAY 13, 2024

UAE Releases New Falcon AI Model To Challenge Meta, OpenAI

MAY 13, 2024

Best Practices for Surviving a Cyber Breach

MAY 11, 2024

FEATURED

White House Calls for Adoption of Memory-Safe Programming Languages to Prevent Cyber-Attacks

MAR 06, 2024

When You Should (And Shouldn't) Rely on AI Tools

FEB 29, 2024

AWS Follows Google Cloud in Ending Cloud Switching Costs

MAR 06, 2024

IT Workers Support DEI Programs, Despite Broader Backlash

MAR 01, 2024

This article explains how to install and configure a Dovecot server and how to deploy a Dovecot plugin.

How To Install Dovecot on Ubuntu 20.04

Related: [How to Install Docker on Ubuntu](#)

Installing Dovecot onto [Ubuntu](#) is a simple process. In fact, the initial installation can be completed using a single command:

```
Sudo apt install dovecot-imapd dovecot-pop3d
```

This command installs Dovecot with the POP3 and IMAP protocols, which are common to all mail servers. Figure 1 shows what the console screen looks like at the completion of the installation process.

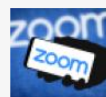
```
Creating config file /etc/dovecot/conf.d/auth-dict.conf.ext with new version
Creating config file /etc/dovecot/conf.d/auth-master.conf.ext with new version
Creating config file /etc/dovecot/conf.d/auth-passwdfile.conf.ext with new version
Creating config file /etc/dovecot/conf.d/auth-sql.conf.ext with new version
Creating config file /etc/dovecot/conf.d/auth-static.conf.ext with new version
Creating config file /etc/dovecot/conf.d/auth-system.conf.ext with new version
[ 149.119160] blk_update_request: I/O error, dev fd0, sector 0 op 0x0:(READ) flags 0x80700 phys_seg 1 prio class 0
[ 149.120236] blk_update_request: I/O error, dev fd0, sector 0 op 0x0:(READ) flags 0x0 phys_seg 1 prio class 0
[ 149.120983] Buffer I/O error on dev fd0, logical block 0, async page read
Created symlink /etc/systemd/system/multi-user.target.wants/dovecot.service → /lib/systemd/system/dovecot.service.
[ 149.995217] blk_update_request: I/O error, dev fd0, sector 0 op 0x0:(READ) flags 0x80700 phys_seg 1 prio class 0
[ 149.996237] blk_update_request: I/O error, dev fd0, sector 0 op 0x0:(READ) flags 0x0 phys_seg 1 prio class 0
[ 149.996985] Buffer I/O error on dev fd0, logical block 0, async page read
[ 150.543823] blk_update_request: I/O error, dev fd0, sector 0 op 0x0:(READ) flags 0x80700 phys_seg 1 prio class 0
[ 150.544894] blk_update_request: I/O error, dev fd0, sector 0 op 0x0:(READ) flags 0x0 phys_seg 1 prio class 0
[ 150.545648] Buffer I/O error on dev fd0, logical block 0, async page read
[ 151.298225] blk_update_request: I/O error, dev fd0, sector 0 op 0x0:(READ) flags 0x80700 phys_seg 1 prio class 0
[ 151.299206] blk_update_request: I/O error, dev fd0, sector 0 op 0x0:(READ) flags 0x0 phys_seg 1 prio class 0
[ 151.300103] Buffer I/O error on dev fd0, logical block 0, async page read
dovecot.socket is a disabled or a static unit, not starting it.
Setting up dovecot-imapd (1:2.3.16+dfsg1-3ubuntu2.1) ...
Creating config file /etc/dovecot/conf.d/20-imap.conf with new version
Setting up dovecot-pop3d (1:2.3.16+dfsg1-3ubuntu2.1) ...
Creating config file /etc/dovecot/conf.d/20-pop3.conf with new version
Processing triggers for ufw (0.36.1-4build1) ...
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for libe-bin (2.35-0ubuntu3.1) ...
Processing triggers for dovecot-core (1:2.3.16+dfsg1-3ubuntu2.1) ...
Scanning processes...
```

[READ MORE](#)

TAGS: [LINUX](#) [DEVELOPMENT TECHNIQUES AND MANAGEMENT](#)

0 COMMENTS

RECOMMENDED READING



Zoom Releases New AI-Powered Collaboration
MAR 26, 2024



Monitoring Employee Productivity, Balance
JAN 03, 2024



At Zoomtopia, Small Businesses Share
OCT 12, 2023



Zoom Unveils Docs, Upgrades Contact Center
OCT 03, 2023

RECENT

Fintech Green Shoots Offer Hope to Many Startups

MAY 16, 2024

Ordered Back to the Office, Top Tech Talent Left Instead, Study Finds

MAY 14, 2024

OpenAI's ChatGPT Launches 'GPT-4o,' Desktop App

MAY 13, 2024

UAE Releases New Falcon AI Model To Challenge Meta, OpenAI

MAY 13, 2024

Best Practices for Surviving a Cyber Breach

MAY 11, 2024

FEATURED

White House Calls for Adoption of Memory-Safe Programming Languages to Prevent Cyber-Attacks

MAR 06, 2024

When You Should (And Shouldn't) Rely on AI Tools

FEB 29, 2024

AWS Follows Google Cloud in Ending Cloud Switching Costs

MAR 06, 2024

IT Workers Support DEI Programs, Despite Broader Backlash

MAR 01, 2024



How To Install Dovecot on Ubuntu 20.04

Related: [How to Install Docker on Ubuntu](#)

Installing Dovecot onto [Ubuntu](#) is a simple process. In fact, the initial installation can be completed using a single command:

```
Sudo apt install dovecot-imapd dovecot-pop3d
```

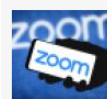
This command installs Dovecot with the POP3 and IMAP protocols, which are common to all mail servers. Figure 1 shows what the console screen looks like at the completion of the installation process.

```
Creating config file /etc/dovecot/conf.d/auth-dict.conf.ext with new version
Creating config file /etc/dovecot/conf.d/auth-master.conf.ext with new version
Creating config file /etc/dovecot/conf.d/auth-passwdfile.conf.ext with new version
Creating config file /etc/dovecot/conf.d/auth-sql.conf.ext with new version
Creating config file /etc/dovecot/conf.d/auth-static.conf.ext with new version
Creating config file /etc/dovecot/conf.d/auth-system.conf.ext with new version
[ 149.115160] blk_update_request: I/O error, dev fd0, sector 0 op 0x0:(READ) flags 0x80700 phys_seg 1 prio class 0
[ 149.120285] blk_update_request: I/O error, dev fd0, sector 0 op 0x0:(READ) flags 0x0 phys_seg 1 prio class 0
[ 149.120983] Buffer I/O error on dev fd0, logical block 0, async page read
Created symlink /etc/systemd/system/multi-user.target.wants/dovecot.service → /lib/systemd/system/dovecot.service.
[ 149.995217] blk_update_request: I/O error, dev fd0, sector 0 op 0x0:(READ) flags 0x80700 phys_seg 1 prio class 0
[ 149.996237] blk_update_request: I/O error, dev fd0, sector 0 op 0x0:(READ) flags 0x0 phys_seg 1 prio class 0
[ 149.996985] Buffer I/O error on dev fd0, logical block 0, async page read
[ 150.543823] blk_update_request: I/O error, dev fd0, sector 0 op 0x0:(READ) flags 0x80700 phys_seg 1 prio class 0
[ 150.544894] blk_update_request: I/O error, dev fd0, sector 0 op 0x0:(READ) flags 0x0 phys_seg 1 prio class 0
[ 150.545648] Buffer I/O error on dev fd0, logical block 0, async page read
[ 151.298225] blk_update_request: I/O error, dev fd0, sector 0 op 0x0:(READ) flags 0x80700 phys_seg 1 prio class 0
[ 151.299206] blk_update_request: I/O error, dev fd0, sector 0 op 0x0:(READ) flags 0x0 phys_seg 1 prio class 0
[ 151.300103] Buffer I/O error on dev fd0, logical block 0, async page read
dovecot.socket is a disabled or a static unit, not starting it.
Setting up dovecot-imapd (1:2.3.16+dfsg1-3ubuntu2.1) ...
Creating config file /etc/dovecot/conf.d/20-imap.conf with new version
Setting up dovecot-pop3d (1:2.3.16+dfsg1-3ubuntu2.1) ...
Creating config file /etc/dovecot/conf.d/20-pop3.conf with new version
Processing triggers for ufw (0.36.1-4build1) ...
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for libc-bin (2.35-0ubuntu3.1) ...
Processing triggers for dovecot-core (1:2.3.16+dfsg1-3ubuntu2.1) ...
Scanning processes...
```

[READ MORE](#)TAGS: [LINUX](#) [DEVELOPMENT TECHNIQUES AND MANAGEMENT](#)

0 COMMENTS

RECOMMENDED READING

**Zoom Releases New AI-Powered Collaboration**

MAR 26, 2024

**Monitoring Employee Productivity, Balance**

JAN 03, 2024

**At Zoomtopia, Small Businesses Share**

OCT 12, 2023

**Zoom Unveils Docs, Upgrades Contact Center**

OCT 03, 2023

RECENT

Fintech Green Shoots Offer Hope to Many Startups

MAY 16, 2024

Ordered Back to the Office, Top Tech Talent Left Instead, Study Finds

MAY 14, 2024

OpenAI's ChatGPT Launches 'GPT-4o,' Desktop App

MAY 13, 2024

UAE Releases New Falcon AI Model To Challenge Meta, OpenAI

MAY 13, 2024

Best Practices for Surviving a Cyber Breach

MAY 11, 2024

FEATURED

White House Calls for Adoption of Memory-Safe Programming Languages to Prevent Cyber-Attacks

MAR 06, 2024

When You Should (And Shouldn't) Rely on AI Tools

FEB 29, 2024

AWS Follows Google Cloud in Ending Cloud Switching Costs

MAR 06, 2024

IT Workers Support DEI Programs, Despite Broader Backlash

MAR 01, 2024

Consider tools that can help address the issue of whether or not to use [employee monitoring systems to insure remote workers productivity](#): Productivity may be better addressed by providing employees with tools that allow them to get an assessment of how their time is being spent and if there are ways to optimize what they're doing.

One such tool we recently learned about is from a company called Team Huddle and their first product is a tool called [ScheduleIQ](#). ScheduleIQ is Team Huddle's first product offering and is being provided for free with no restrictions on how many accounts any one organization can create and use. The company currently has no plans to cap use of this product.

Of course, offering your initial product at no cost seems too good to be true, so I asked what the company's business model is if this product will not cost organizations anything. Additional products designed around solving ineffective meetings – including meeting format templates, role assignments, automated agendas, time and content trackers, and collaborative note-taking tools – will have a fee associated with using them.

According to Rob Smith, the founder at Team Huddle, the right tools for remote workers can help with productivity and [work-life balance](#).

"One way to help employees take back control of their time is leveraging meeting and schedule optimization tools," Smith said. "This technology advocates for workers by creating meetings and schedules around their work preferences, best practices and lifestyles, so that they're better positioned to work productively within agreed upon work hours, while protecting off-work hours to enhance work-life balance."

[READ MORE](#)TAGS: [END-USER PLATFORMS](#) [COLLABORATION](#)

0 COMMENTS

RECOMMENDED READING

**Zoom Releases New AI-Powered Collaboration**

MAR 26, 2024

**Monitoring Employee Productivity, Balance**

JAN 03, 2024

**At Zoomtopia, Small Businesses Share**

OCT 12, 2023

**Zoom Unveils Docs, Upgrades Contact Center**

OCT 03, 2023

Sign up for the ITPro Today newsletter.

Email address

United States

SIGN UP

RECENT

Fintech Green Shoots Offer Hope to Many Startups

MAY 16, 2024

Ordered Back to the Office, Top Tech Talent Left Instead, Study Finds

MAY 14, 2024

OpenAI's ChatGPT Launches 'GPT-4o,' Desktop App

MAY 13, 2024

UAE Releases New Falcon AI Model To Challenge Meta, OpenAI

MAY 13, 2024

Best Practices for Surviving a Cyber Breach

MAY 11, 2024

FEATURED

White House Calls for Adoption of Memory-Safe Programming Languages to Prevent Cyber-Attacks

MAR 06, 2024

When You Should (And Shouldn't) Rely on AI Tools

FEB 29, 2024

AWS Follows Google Cloud in Ending Cloud Switching Costs

MAR 06, 2024

IT Workers Support DEI Programs, Despite Broader Backlash

MAR 01, 2024

ITProToday

ITPro Today Newsletter

SIGN UP

Get Updates Daily or Weekly

to optimize what they're doing.



ing systems
employees
are ways

One such tool we recently learned about is from a company called Team Huddle and their first product is a tool called [ScheduleIQ](#). ScheduleIQ is Team Huddle's first product offering and is being provided for free with no restrictions on how many accounts any one organization can create and use. The company currently has no plans to cap use of this product.

Of course, offering your initial product at no cost seems too good to be true, so I asked what the company's business model is if this product will not cost organizations anything. Additional products designed around solving ineffective meetings – including meeting format templates, role assignments, automated agendas, time and content trackers, and collaborative note-taking tools – will have a fee associated with using them.

According to Rob Smith, the founder at Team Huddle, the right tools for remote workers can help with productivity and [work-life balance](#).

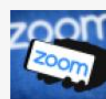
"One way to help employees take back control of their time is leveraging meeting and schedule optimization tools," Smith said. "This technology advocates for workers by creating meetings and schedules around their work preferences, best practices and lifestyles, so that they're better positioned to work productively within agreed upon work hours, while protecting off-work hours to enhance work-life balance."

READ MORE

TAGS: [END-USER PLATFORMS](#) [COLLABORATION](#)

0 COMMENTS

RECOMMENDED READING

**Zoom Releases New AI-Powered Collaboration**

MAR 26, 2024

**Monitoring Employee Productivity, Balance**

JAN 03, 2024

**At Zoomtopia, Small Businesses Share**

OCT 12, 2023

**Zoom Unveils Docs, Upgrades Contact Center**

OCT 03, 2023

Sign up for the ITPro Today newsletter.

Email address

United States

SIGN UP ►

RECENT

Fintech Green Shoots Offer Hope to Many Startups

MAY 16, 2024

Ordered Back to the Office, Top Tech Talent Left Instead, Study Finds

MAY 14, 2024

OpenAI's ChatGPT Launches 'GPT-4o,' Desktop App

MAY 13, 2024

UAE Releases New Falcon AI Model To Challenge Meta, OpenAI

MAY 13, 2024

Best Practices for Surviving a Cyber Breach

MAY 11, 2024

FEATURED

White House Calls for Adoption of Memory-Safe Programming Languages to Prevent Cyber-Attacks

MAR 06, 2024

When You Should (And Shouldn't) Rely on AI Tools

FEB 29, 2024

AWS Follows Google Cloud in Ending Cloud Switching Costs

MAR 06, 2024

IT Workers Support DEI Programs, Despite Broader Backlash

MAR 01, 2024

growth suggests more enterprise organizations and employees will shift their real-time communications to incorporate both chat and email into their workflows, along with the other elements of UC.

Omdia stated that while companies have been using UC from cloud services for years, the COVID-19 pandemic has pushed that usage forward because it provides more flexible real-time communications options.

Differences in Real-Time Communications: Chat vs. Email

Earlier this year, [Swoop Analytics released an extensive report](#), the 2021 [Microsoft Teams Benchmarking Report](#), which looked at data from nearly 100,000 teams at 33 organizations during a three-month timeframe.

Among the key findings of this report: Chat is becoming the preferred method of communications between individual team members rather than sending emails to each other for one-on-one communications.

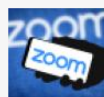
This makes a lot of sense, especially over the last 18 months with most everyone working remotely, because chat easily replaces those in-person conversations that are typically held in the hallways, break areas, and team member offices. Chat for real-time communications provides a quick means to clarify a work-related item and then move forward with the work around that item.

Real-Time Communications: Using the Tool That Best Fits

[READ MORE](#)TAGS: [INSTANT MESSAGING](#) [END-USER PLATFORMS](#)

0 COMMENTS

RECOMMENDED READING

**Zoom Releases New AI-Powered Collaboration**

MAR 26, 2024

**Monitoring Employee Productivity, Balance**

JAN 03, 2024

**At Zoomtopia, Small Businesses Share**

OCT 12, 2023

**Zoom Unveils Docs, Upgrades Contact Center**

OCT 03, 2023

Loading...

RECENT

Fintech Green Shoots Offer Hope to Many Startups

MAY 16, 2024

Ordered Back to the Office, Top Tech Talent Left Instead, Study Finds

MAY 14, 2024

OpenAI's ChatGPT Launches 'GPT-4o,' Desktop App

MAY 13, 2024

UAE Releases New Falcon AI Model To Challenge Meta, OpenAI

MAY 13, 2024

Best Practices for Surviving a Cyber Breach

MAY 11, 2024

FEATURED

White House Calls for Adoption of Memory-Safe Programming Languages to Prevent Cyber-Attacks

MAR 06, 2024

When You Should (And Shouldn't) Rely on AI Tools

FEB 29, 2024

AWS Follows Google Cloud in Ending Cloud Switching Costs

MAR 06, 2024

IT Workers Support DEI Programs, Despite Broader Backlash

MAR 01, 2024

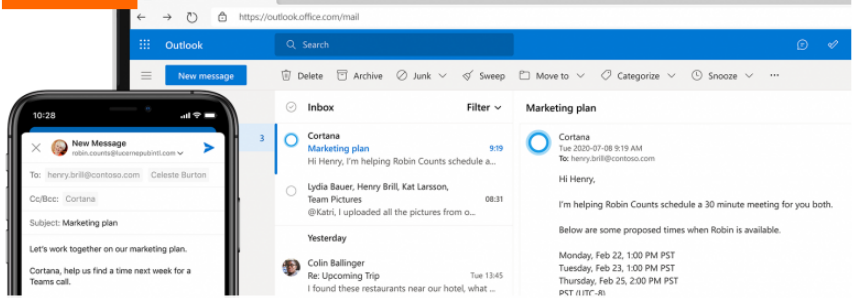


OCT 12, 2023



OCT 03, 2023

News



COLLABORATION > EMAIL AND CALENDARING

New Meeting Scheduler Available for Outlook in Microsoft 365

Although having productive meetings can be a challenge, getting those meetings on everyone's schedule can be equally arduous. That is where the new meeting scheduler service on Microsoft 365 comes in.

Richard Hay | Jun 24, 2021



According to Microsoft's research, the average number of meetings and chats has been steadily increasing over last year, with people now in [two and a half times more meetings than they were pre-pandemic](#). Grabbing a meeting time with someone has become a considerable challenge.

This month, Microsoft announced a new meeting scheduler service as an add-on to its [Microsoft 365/Office 365](#) software suite for Outlook.

The service is intended to help meeting participants find a mutual time for connecting by letting the meeting scheduler service do all the coordination.

Microsoft's Gabriel Valdez Malpartida, senior product marketing manager on the Outlook team, said, "The time that employees spend trying to schedule meetings both inside and outside of their organization is climbing."