

# **RSA**®Conference2015

San Francisco | April 20-24 | Moscone Center

SESSION ID: SPO3-W03

## Enterprise Cloud: Advancing SaaS Security and Trust

**Chang Kawaguchi**

---

Principal Group Engineering Manager,  
Office 365 Security Microsoft



# Security without compromising experience

Techniques for securing the data should be specific to the type of cloud service



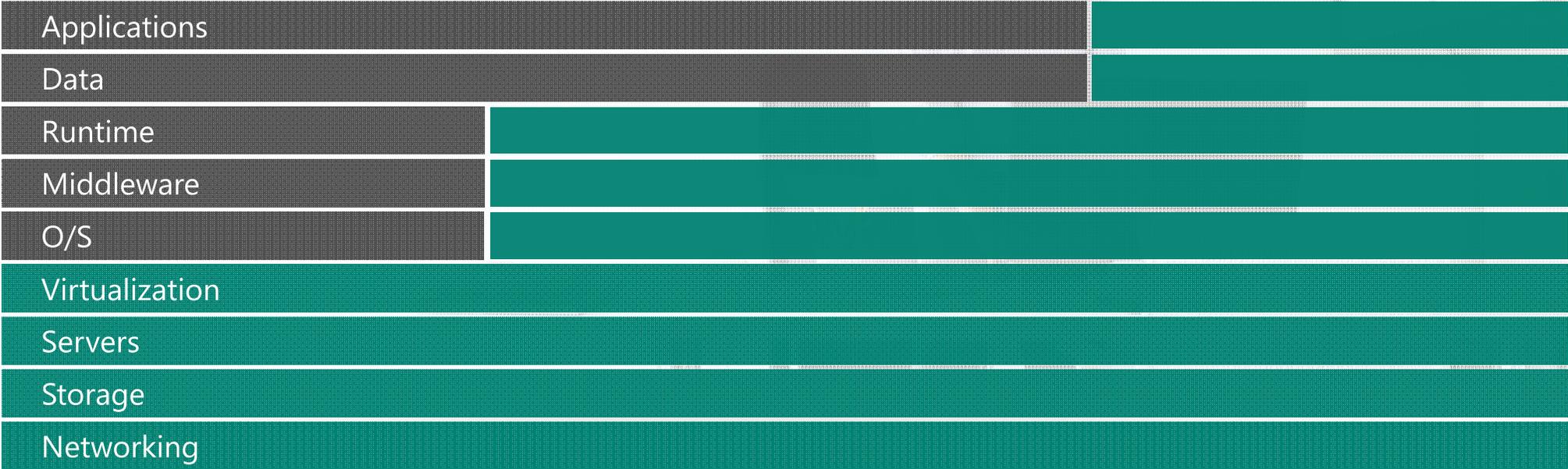
IaaS



PaaS



SaaS



 Service Provider security responsibility

# Common concerns about the cloud

Is my content **safe** in your data centers?

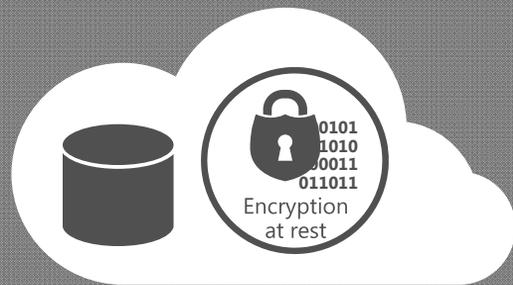
Who has **access** to my organization's content in the service?

What **visibility** do I have into the **activity** on my content in the service?

Can I **encrypt** everything so that it's not possible for you to have access to my content?



# Encryption Options



- Data Loss Prevention ✘
- Search ✘
- Insights ✘
- General content analysis ✘



- ✓ Data Loss Prevention
- ✓ Search
- ✓ Insights
- ✓ General content analysis

# Cloud principles

It's *your* data

You own it, you control it  
We run the service for you  
We are accountable to you

Built in  
security

Privacy  
by design

Continuous  
compliance

Transparent service operation

# Defense in depth approach



100101 011010 100011 011011	Content	Gain transparency
	Physical security	Access control
	Network	Intrusion and vulnerability detection
	Host	Configuration management
	Application	Securing and access control
	Admin	Account management

# Security strategy beyond defense



## Red teaming

- Our own Office 365 pen testers test our services
- Simulate outsider and insider attack scenarios
- Strict Rules of Engagement (“do no harm”)
- Practice incident response



## Bug bounty

- External security researchers hunt for vulnerabilities
- Compensated for significant valid vulnerabilities if found
- Enable customers to run their own vulnerability assessments

# Earning and maintaining customers' trust

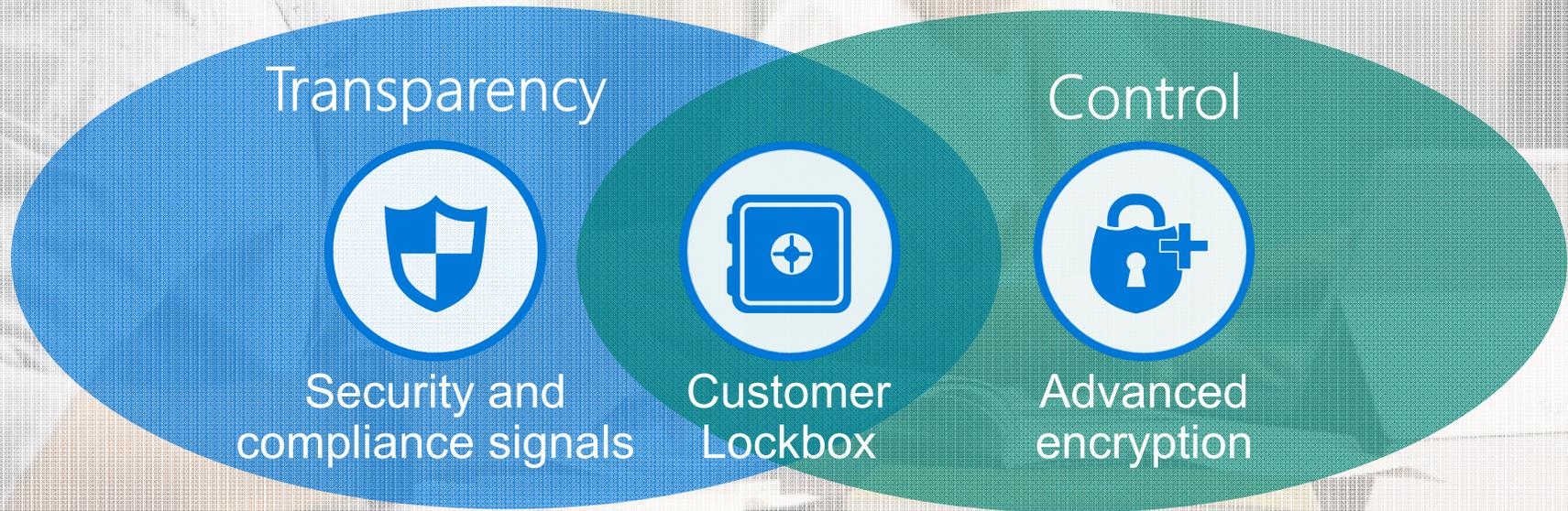
Transparency



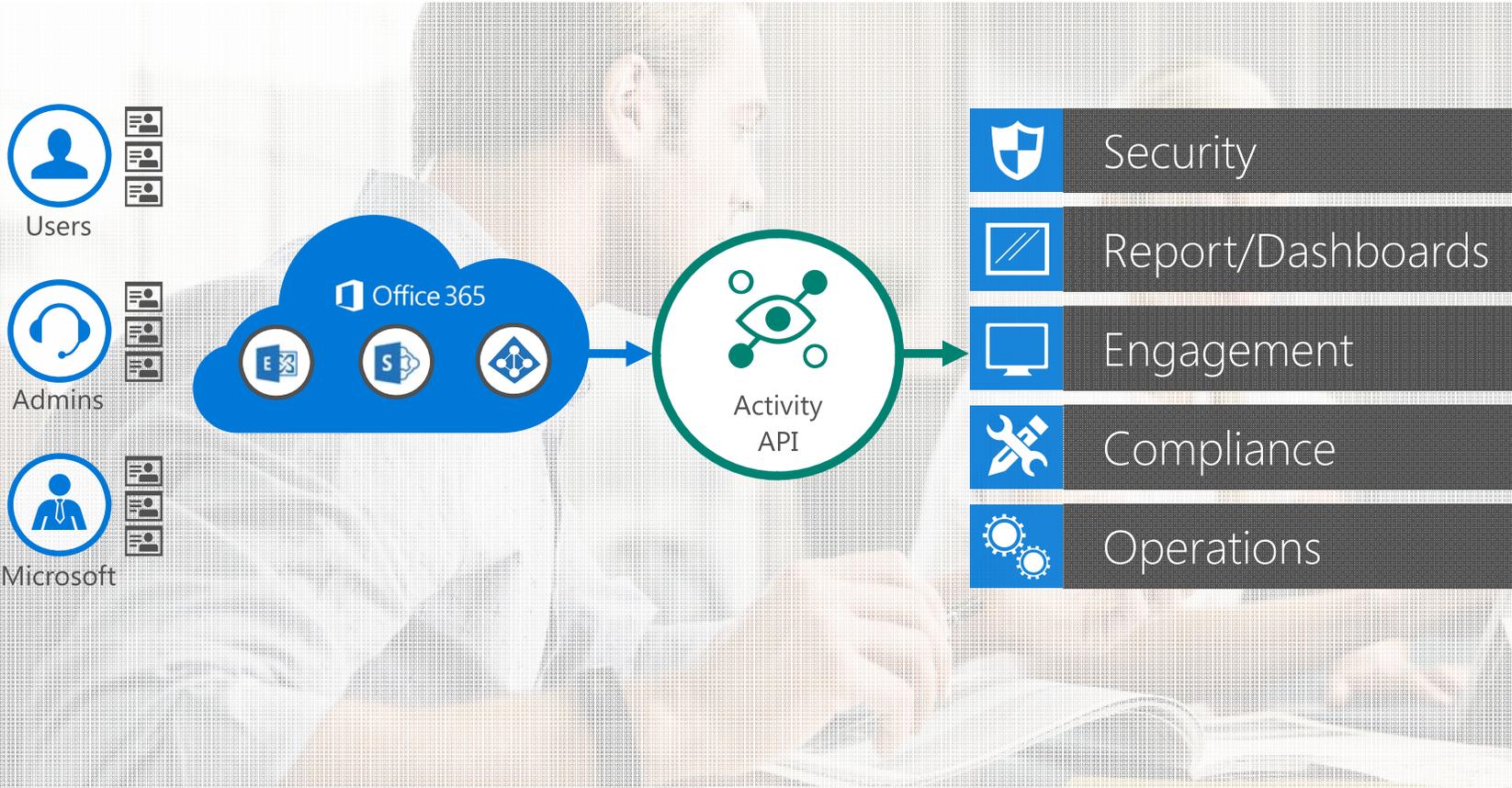
In the world of SaaS, it is through **transparency** and **control** that we earn and maintain customers' trust

Investments we announced yesterday are a significant step in this direction

# Building transparency and control



# Security & compliance signals



- ISVs
- RAPID7**
  - palerra
  - sumologic
  - ALERTLOGIC  
Security Compliance Cloud
  - CloudLock
  - BetterCloud  
Powering Cloud IT
  - logentries™
  - AvePoint®
  - cogmotive  
Office 365 Reports
  - VARONIS
  - netskope
  - skyhigh
  - druva
  - LogRhythm

# ISV Partner Integrations

The screenshot displays the LORIC by Palerra Threats dashboard. The interface includes a sidebar with navigation options like Dashboard, Monitor, Reports, Threats, Incidents, and Configuration. The main content area shows details for an identified abnormal event.

**Identified Abnormal Event**

Application: O365:RI

Category: Anomalous Activity

User ID: sam.oliver@outlook.com

Details: User behavior risk. Failed logins and Unique IP connections deviates from normal behavior for sam.oliver@outlook.com

Predicted Threat: Possible account compromise attempt

Detected On: Mar 08, 2015 18:48:01 UTC

Occurred On: Mar 08, 2015 18:48:01 UTC

[View Incident](#)

**Threats**

Time Range: Last 12 weeks

The chart displays the issue count for various categories over a 12-week period. The Y-axis represents the Issue Count (0 to 100), and the X-axis represents time (2/13 to 3/3). The categories include Login Geographical Locations, Emails Delivered, Failed Logins, Unique Failed Login IPs, Failed Login Geographical Locations, and Login Actions. The chart shows a significant spike in issue count around 2/25 and 3/3.

**Legend:**

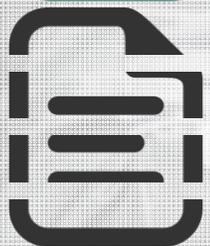
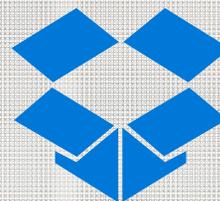
- Login Geographical Locations
- Emails Delivered
- Failed Logins
- Unique Failed Login IPs
- Failed Login Geographical Locations
- Login Actions
- File Download Actions
- Unique Login IPs

App and Instance	Category	Issue count	Date
O365:RI	Login Geographical Locations	1	Feb 13, 2015 UTC
O365:RI	Emails Delivered	31	Feb 13, 2015 UTC
O365:RI	Failed Logins	1	Feb 13, 2015 UTC
O365:RI	Unique Failed Login IPs	1	Feb 13, 2015 UTC

# Content level encryption at rest in SharePoint



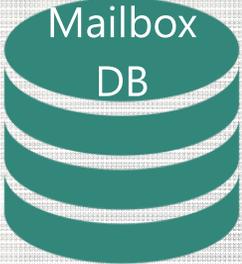
Azure  
containers



# Disk level encryption at rest in Exchange



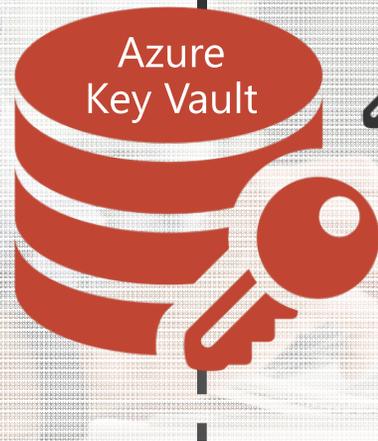
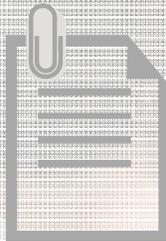
Customer



# Content level encryption at rest in Exchange



Customer



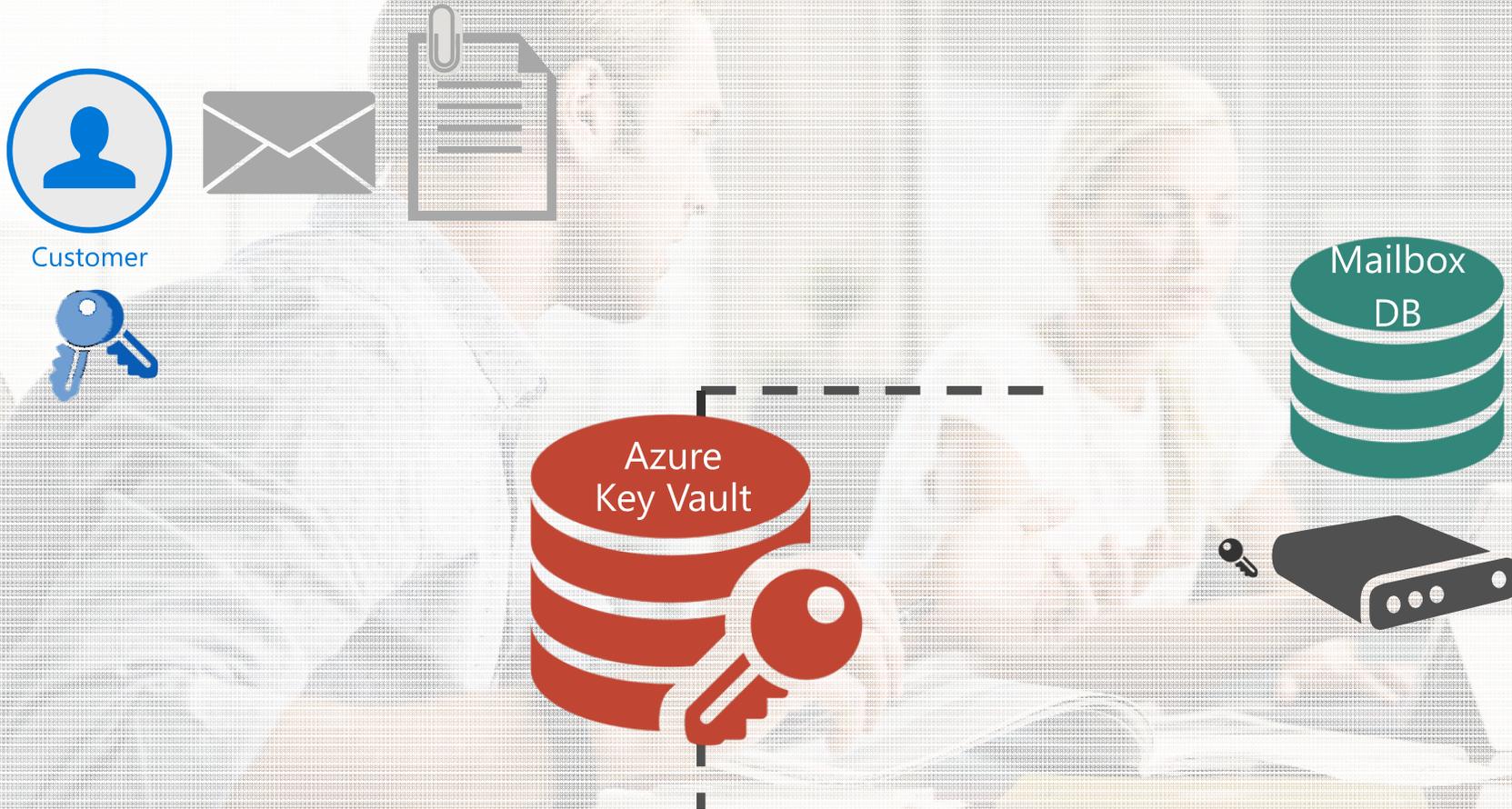
Azure  
Key Vault



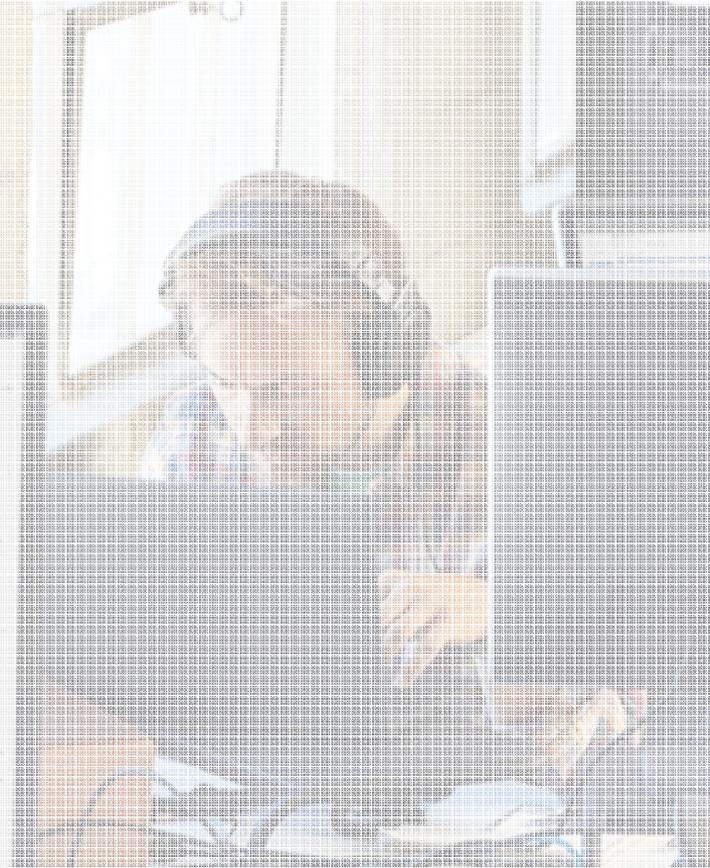
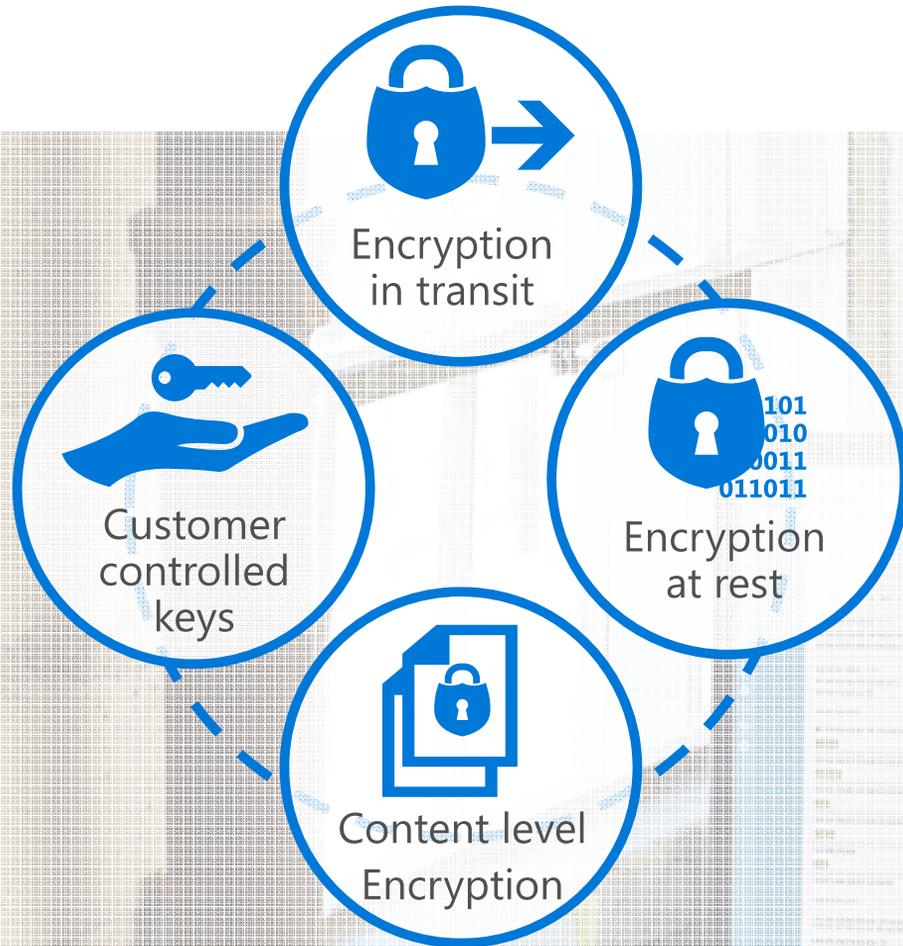
Mailbox  
DB



# Customer controlled keys in Exchange



# Control: Encryption with customer control



# Transparency and control: running the service



## Most operations are automated

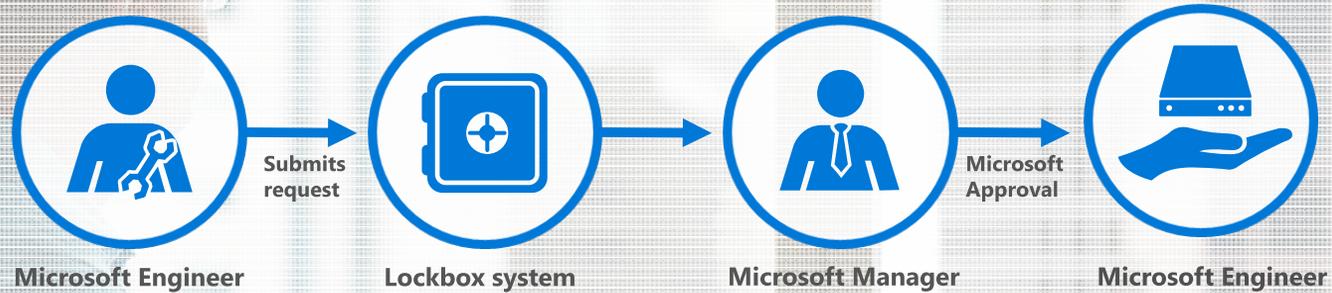
Data Center operations do not require access to customer content

Rare occasions where humans need access to run data center operations

Humans have to meet clearance requirements and require 2 factor auth to request access

Any access is highly controlled with multiple levels of approval using Lockbox

# Lockbox



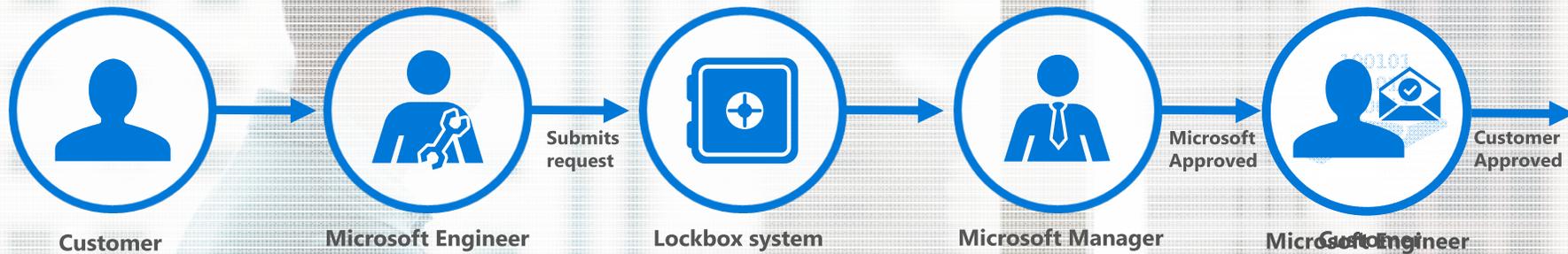
Scoped, least privileged access

Just-in-time access for limited duration

Audit logs for all access

# Customer Lockbox

Now we want to extend Lockbox approval to you for human access to customer content



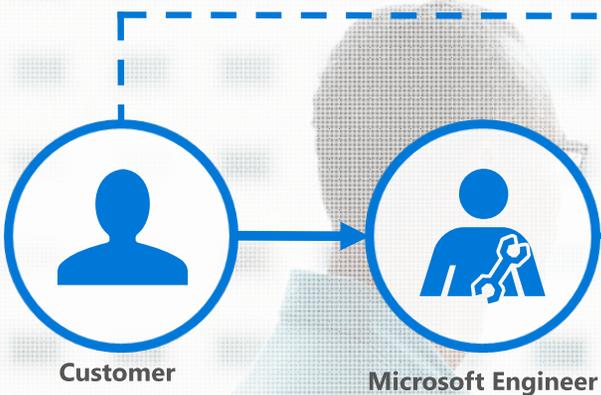
Customer controls authorization of Office 365 personnel access

# Customer Lockbox

*It's your data*

You own it, you control it

# Customer Lockbox flow



**Service Request# EXSR359XXX**

**[Status: Active] Help!**

User's mailbox,  
**Need access to customer content**  
**to fix this issue**

deleted or removed mailboxes

You are accessing an information system that may contain U.S. Government data. System usage may be monitored, recorded, and subject to audit. Unauthorized use of the system is prohibited and may be subject to criminal and civil penalties. Use of the system indicates consent to monitoring and recording. Administrative personnel remotely accessing the Office 365 environment:

- <1> shall maintain their remote computer in a secure manner, in accordance with organizational security policies and procedures as defined in Microsoft Remote Connectivity Security Policies;
- <2> shall only access the Office 365 environment in execution of operational, deployment, and support responsibilities using only administrative applications or tools directly related to performing these responsibilities; and
- <3> shall not knowingly store, transfer into, or process in the Office 365 environment data exceeding a FIPS 199 Moderate security categorization <FISMA Controlled Unclassified Information>.

Please disconnect this session if you disagree.

-----  
VERBOSE: Connected to

PS D:\Users\Desktop> get-command New-MailboxRestoreRequest

get-command : The term 'New-MailboxRestoreRequest' is not recognized as the name of a cmdlet, function, script file, or operable program. Check the spelling of the name, or if a path was included, verify that the path is correct and try again.

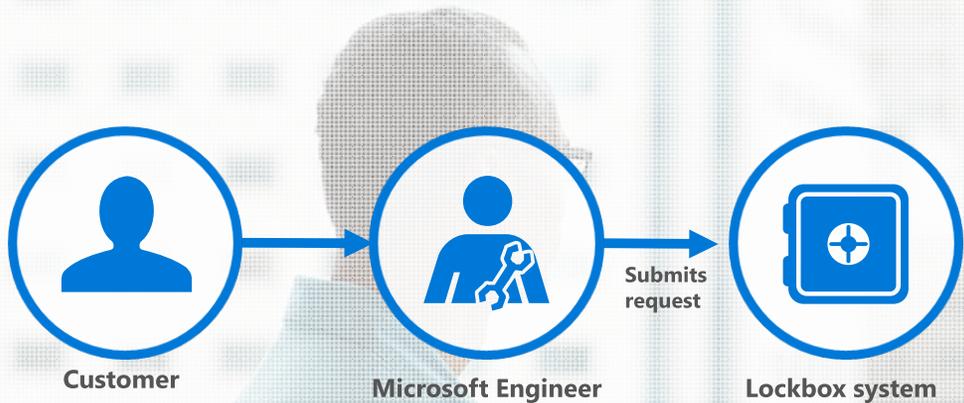
PS line:1 char:1

\* get-command New-MailboxRestoreRequest

\* CategoryInfo : ObjectNotFound: (New-MailboxRestoreRequest:String) [Get-Command], CommandNotFoundException  
\* FullyQualifiedErrorId : CommandNotFoundException,Microsoft.PowerShell.Commands.GetCommandCommand

PS D:\Users\Desktop>

# Customer Lockbox flow



```
[connect] Please wait for build status ...
```

```
[connect] You are remotely accessing the Office 365 environment.
```

```
[connect] Type [*] to ignore your last selection, and select a datacenter location randomly going forward.
```

```
[connect] Checking smart card requirements...
```

```
...WARNING:
```

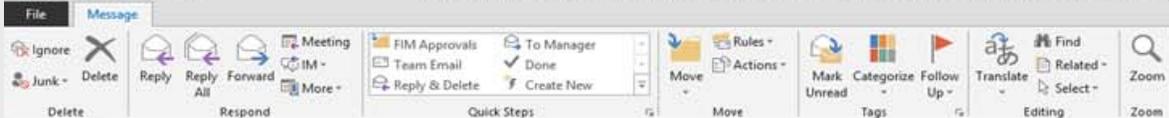
```
-----  
You are accessing an information system that may contain U.S. Government data. System usage may be monitored, recorded, and subject to audit. Unauthorized use of the system is prohibited and may be subject to criminal and civil penalties. Use of the system indicates consent to monitoring and recording. Administrative personnel remotely accessing the Office 365 environment:
```

```
(1) shall maintain their remote computer in a secure manner, in accordance with organizational security policies and procedures as defined in Microsoft Remote Connectivity Security Policies;  
(2) shall only access the Office 365 environment in execution of operational, deployment, and support responsibilities using only administrative applications or tools directly related to performing these responsibilities; and  
(3) shall not knowingly store, transfer into, or process in the Office 365 environment data exceeding a FIPS 199 Moderate security categorization (FISMA Controlled Unclassified Information).  
Please disconnect this session if you disagree.  
-----
```

```
PS C:\Users>
```

```
PS C:\Users> Request-LockboxElevation -Role AccessToCustomerContent -Tenant contoso@onmicrosoft.com -DurationMinutes 30 -ServiceRequestNumber 'EXSR359XXX' -Reason 'Fix user mailbox missing issue'
```





Wed 4/8/2015 9:57 AM

mailer@lockbox.com

AccessToCustomerContent Lockbox: Service change request is pending approval - LockBoxElevateAccessWorkflow

To oce@microsoft.com

Who's Who

+ Get more apps

## EXCHANGE SERVICE CHANGE MANAGEMENT

Attention Required

### SERVICE CHANGE REQUEST

Your service change request is pending approval.

#### REQUEST INFORMATION

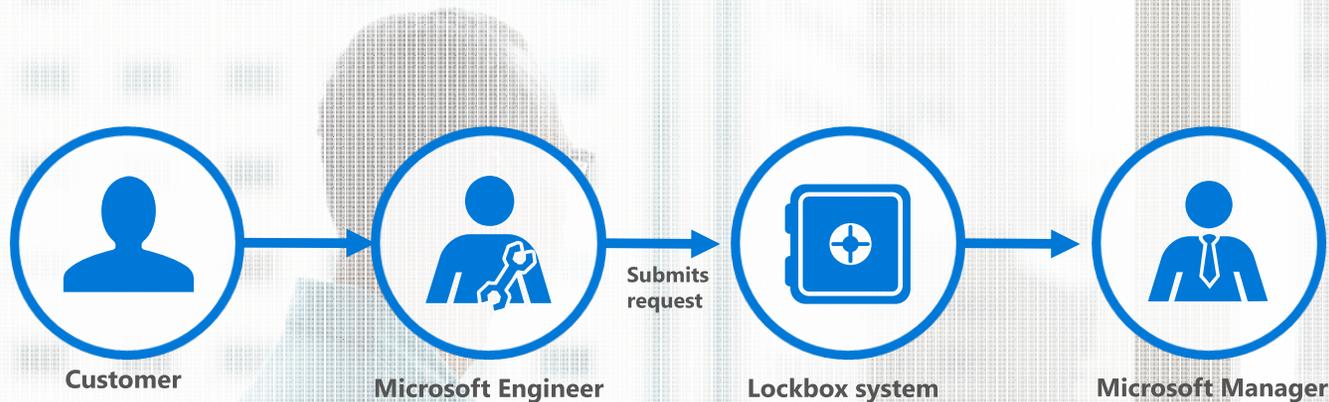
**Datcenter** XXX  
**Requested Action** LockboxFlow  
**Requestor** On-call Engineer  
**Create Time** 4/8/2015 4:55:48 PM  
**Reason** Fix the user mailbox missing issue  
**Delay Until** <ASAP>  
**Approvers** Microsoft Manager

#### REQUESTED ACTION PARAMETERS

**Role** AccessToCustomerContent  
**ActionName** LockboxFlow  
**Duration** 00:30:00  
**Tenant** contoso.onmicrosoft.com  
**AccountNameToElevate** oce-accessaccount  
**ProcessDurationHours** 0  
**Service Request #** EXSR359XXX

**Request ID** 42be1e1r-w131-49f2-ba0a-bf52gna1fa0

# Customer Lockbox flow



- home
- health
- escalations
- oncall
- fabric
- optics
- changes
- dedicated
- yodapivot

# ESCALATIONS

- ALERTS
- ELEVATION APPROVER
- ELEVATION REQUESTOR

## Elevation Approver

Approve All Pending | Reject All Pending

Requestor	Role	Duration	Create Time	Approval Status
OCE	AccessToCustomerContent	00:30:00	04/12/2015 23:10	Pending

## Request details:

Approve | Reject

Id: 42be1e1r-w131-49f2-ba0a-bf52gna1cfa0  
 Requestor: On-call Engineer  
 Create Time: 04/12/2015 23:10  
 Role: AccessToCustomerContent  
 Duration: 00:30:00  
 Reason: Fix the user mailbox missing issue  
 Approver List: Microsoft Manager  
 Approval Status: Pending  
 Approver:

- home
- health
- escalations
- oncall
- fabric
- optics
- changes
- dedicated
- yodapivot

# ESCALATIONS

## ALERTS

## ELEVATION APPROVER

## ELEVATION REQUESTOR

### Elevation Approver

Approve All Pending    Reject All Pending

Requestor	Role	Duration
OCE	AccessToCustomerContent	00:30:00

### Request details:

Approve    Reject

 **Confirm**

This action would approve the selected elevation request.

OK
Cancel

Approval Status: Pending  
 Approver:

2-ba0a-bf52gna1cfa0

Content

ax missing issue

- home
- health
- escalations
- oncall
- fabric
- optics
- changes
- dedicated
- yodapivot

# ESCALATIONS

- ALERTS
- ELEVATION APPROVER
- ELEVATION REQUESTOR

### Elevation Approver

Approve All Pending | Reject All Pending

Requestor	Role	Duration	Create Time	Approval Status
OCE	AccessToCustomerContent	00:30:00	04/12/2015 23:10	Approved

### Request details:

Approve | Reject

Id: 42be1e1r-w131-49f2-ba0a-bf52gna1cfa0  
 Requestor: On-call Engineer  
 Create Time: 04/12/2015 23:10  
 Role: AccessToCustomerContent  
 Duration: 00:30:00  
 Reason: Fix the user mailbox missing issue  
 Approver List: Microsoft Manager  
 Approval Status: **Approved**  
 Approver: Microsoft Manager

File Message

Ignore Delete Reply Reply All Forward Meeting IM - More -

Delete Respond

FIM Approvals To Manager

Team Email Done

Reply & Delete Create New

Quick Steps

Move

Rules -

Actions -

Move

Mark Unread

Tags

Categorize

Follow Up -

Tags

Translate

Find

Related -

Select -

Editing

Zoom

Zoom

Wed 4/8/2015 9:57 AM

mailer@lockbox.com

AccessToCustomerContent Lockbox: Service change request is approved - LockBoxElevateAccessWorkflow

To: oce@microsoft.com

Who's Who

+ Get more apps

## EXCHANGE SERVICE CHANGE MANAGEMENT

Attention Required

### REQUEST APPROVED

Your Service Change Request has been approved by Datacenter approve. Pending approval from Tenant admin.

#### REQUEST INFORMATION

**Datacenter** XXX

**Requested Action** LockboxFlow

**Requestor** On-call Engineer

**Create Time** 4/8/2015 4:55:48 PM

**Reason** Fix the user mailbox missing issue

**Delay Until** <ASAP>

**Approvers** Customer

#### REQUESTED ACTION PARAMETERS

**Role** AccessToCustomerContent

**ActionName** LockboxFlow

**Duration** 00:30:00

**Tenant** contoso.onmicrosoft.com

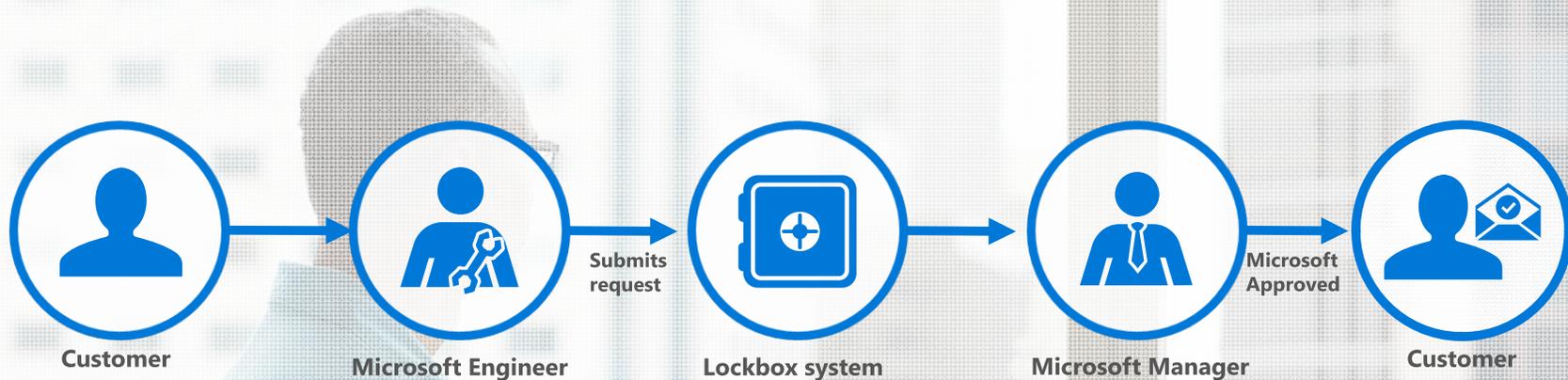
**AccountNameToElevate** oce-accessaccount

**ProcessDurationHours** 0

**Service Request #** EXSR359XXX

**Request ID** 42be1e1r-w131-49f2-ba0a-bf52gna1cfa0

# Customer Lockbox flow





Messages



Calendar



Photos



Camera



Weather



Clock



Maps



Videos



Notes



Reminders



Stocks



Game Center



Newsstand



iTunes Store



App Store



iBooks



Health



Passbook



Settings



Phone



Outlook



Safari



WhatsApp



Inbox

john.doe@contoso.microsoft.com



Focused

Other

Quick Filter

reporter@exchangelabs.com Tuesday  
 **A data access request is pending your approval**  
O365 DATA ACCESS REQUEST Attention Required  
SERVICE CHANGE REQUEST A data access request

1 Message

- 
- 
- 
- 
- 
- 
- 
- 
- 
-

•••• AT&T LTE 4:44 PM

< Inbox

A data access request is pending your approval

mailer@lockbox.com  
To john.doe@contoso.onmicrosoft.com  
2:54 PM  
[Show Details](#)

O365 DATA ACCESS REQUEST Attention Required

---

**SERVICE CHANGE REQUEST**  
A data access request is pending your approval. If this request is not approved in a timely manner it could adversely impact your level of service. Please login to the Exchange Admin Center to approve this request.

**REQUEST INFORMATION**

Product	Exchange
Service Request #	EXSR359X00
Tenant	<a href="#">contoso.onmicrosoft.com</a>
Requestor	Microsoft on-call engineer
Reason	Need to access customer data to fix a customer issue
Create Time	4/7/2015 9:47:10 PM
Expires	4/8/2015 1:54:38 AM UTC
Request ID	42be1e1r-w1311-49f2-ba0a-bf52gna1cfa0

Need more information on how to approve this request? Click [here](#)  
Review Microsoft Office 365 data access policies [here](#)

Mail Calendar Files People Settings



Sign in with your work or school account

john.doe@contoso.onmicrosoft.com

••••••••••••••••••••

Keep me signed in

Sign in

[Can't access your account?](#)



Hi, John.

## Install Office on your PC



Word   Excel   PowerPoint   Outlook   OneNote

Install now

Language: English  
[Change language](#)  
[Troubleshoot installation](#)

Got a Mac? [Sign in to Office 365 on your Mac to install.](#)

Smartphone or tablet? [Get Office on your devices](#)  
[Learn how to set up email and Office 365 apps on your device](#)

## Collaborate with Office Online





Search users, admin tasks and

- DASHBOARD
- SETUP
- ▶ USERS
- COMPANY PROFILE
- CONTACTS
- SHARED MAILBOXES
- MEETING ROOMS
- GROUPS
- DOMAINS
- PUBLIC WEBSITE
- ▶ BILLING
- ▶ EXTERNAL SHARING
- ▶ SERVICE SETTINGS
- REPORTS
- ▶ SERVICE HEALTH
- ▶ SUPPORT
- PURCHASE SERVICES
- MESSAGE CENTER
- TOOLS
- ▲ ADMIN
  - Exchange
  - Lync
  - SharePoint
  - Compliance
  - Azure AD
  - Bing Places for Business

Welcome to Office 365!

[Watch the video](#) to get an overview

[Set up](#) your services

[Download](#) your software

[Get information](#) on Yammer

[Watch the video to get started quickly](#)

## Service overview

### Service health

No service issues

#### Data access requests

1 request(s) pending

#### Service requests

No open service requests

#### Inactive email users

0 users have not signed in for 30 days or more.

#### Mail protection

13 messages received, 0 processed by filtering.

#### Message center

1 new message in the past 7 days

#### Included services

### Current health

Exchange	No issues
Identity Service	No issues
Lync	No issues
Office 365 Portal	No issues
Office Subscription	No issues
Rights Management Service	No issues
SharePoint	No issues
Yammer Enterprise	No issues

[View details and history](#)

### Planned maintenance

No planned maintenance scheduled.

### admin shortcuts

- [Reset user passwords](#)
- [Add new users](#)
- [Assign user licenses](#)
- [Download software](#)

### resources

- [Working with domain names](#)
- [Setting up mobile devices](#)
- [Setting up user permissions in SharePoint](#)
- [Office 365 Admin Help](#)
- [Known issues](#)
- [Information on Yammer](#)

### community

- [Ask a question in the forums](#)
- [Check out our blog](#)
- [Participate in the community](#)



Search users, admin tasks and

- DASHBOARD
- SETUP
- ▶ USERS
- COMPANY PROFILE
- CONTACTS
- SHARED MAILBOXES
- MEETING ROOMS
- GROUPS
- DOMAINS
- PUBLIC WEBSITE
- ▶ BILLING
- ▶ EXTERNAL SHARING
- ▶ SERVICE SETTINGS
- REPORTS
- ▶ SERVICE HEALTH
- ▶ SUPPORT
- PURCHASE SERVICES
- MESSAGE CENTER
- TOOLS
- ▲ ADMIN
  - Exchange
  - Lync
  - SharePoint
  - Compliance
  - Azure AD
  - Bing Places for Business

Welcome to Office 365!

[Watch the video](#) to get an overview

[Set up](#) your services

[Download](#) your software

[Get information](#) on Yammer

[Watch the video to get started quickly](#)

## Service overview

### Service health

1 issue

### Data access requests

1 request(s) pending

### Service requests

No open service requests

### Message center

3 new messages in the past 7 days

### Included services

REFERENCE NUMBER	REQUESTED DATE	REASON	ACTION STATUS	ACTION
EXSR359XXX	4/8/2015	To fix a customer impacting issue	Pending	<a href="#">Approve</a> <a href="#">Reject</a>

[View details and history](#)

### admin shortcuts

- [Reset user passwords](#)
- [Add new users](#)
- [Assign user licenses](#)
- [Download software](#)

### resources

- [Working with domain names](#)
- [Setting up mobile devices](#)
- [Setting up user permissions in SharePoint](#)
- [Office 365 Admin Help](#)
- [Known issues](#)
- [Information on Yammer](#)

### community

- [Ask a question in the forums](#)
- [Check out our blog](#)
- [Participate in the community](#)



Search users, admin tasks and

- DASHBOARD
- SETUP
- ▶ USERS
- COMPANY PROFILE
- CONTACTS
- SHARED MAILBOXES
- MEETING ROOMS
- GROUPS
- DOMAINS
- PUBLIC WEBSITE
- ▶ BILLING
- ▶ EXTERNAL SHARING
- ▶ SERVICE SETTINGS
- REPORTS
- ▶ SERVICE HEALTH
- ▶ SUPPORT
- PURCHASE SERVICES
- MESSAGE CENTER
- TOOLS
- ▲ ADMIN
  - Exchange
  - Lync
  - SharePoint
  - Compliance
  - Azure AD
  - Bing Places for Business

Welcome to Office 365!

[Watch the video](#) to get an overview

[Set up](#) your services

[Download](#) your software

[Get information](#) on Yammer

[Watch the video to get started quickly](#)

## Service overview

### Service health

1 issue

### Data access requests

1 request(s) pending

### Service requests

No open service requests

### Message center

3 new messages in the past 7 days

### Included services

**DATA ACCESS REQUESTS**

**ARE YOU SURE YOU WANT TO APPROVE THIS DATA ACCESS REQUEST?**

[YES](#) [NO](#)

ACTION

[Approve](#) [Reject](#)

### admin shortcuts

- [Reset user passwords](#)
- [Add new users](#)
- [Assign user licenses](#)
- [Download software](#)

### resources

- [Working with domain names](#)
- [Setting up mobile devices](#)
- [Setting up user permissions in SharePoint](#)
- [Office 365 Admin Help](#)
- [Known issues](#)
- [Information on Yammer](#)

### community

- [Ask a question in the forums](#)
- [Check out our blog](#)
- [Participate in the community](#)



Search users, admin tasks and

- DASHBOARD
- SETUP
- ▶ USERS
- COMPANY PROFILE
- IMPORT
- CONTACTS
- SHARED MAILBOXES
- MEETING ROOMS
- GROUPS
- DOMAINS
- PUBLIC WEBSITE
- ▶ BILLING
- ▶ EXTERNAL SHARING
- ▶ SERVICE SETTINGS
- REPORTS
- ▲ SERVICE HEALTH
  - Service Health
  - Planned Maintenance
- ▲ SUPPORT
  - Overview
  - Service Requests
- PURCHASE SERVICES
- MESSAGE CENTER
- TOOLS
- ▲ ADMIN
  - Exchange
  - Skype for Business

Welcome to Office 365 Enterprise!

- [Watch the video](#) to get an overview
- [Set up](#) your services
- [Download](#) the latest version of Office
- [Get information](#) on Yammer

[Watch the video to get started quickly](#)

### Service overview

#### Service health

1 issue

#### Data access requests

0 request(s) pending

#### Service requests

No open service requests

#### Message center

3 new messages in the past 7 days

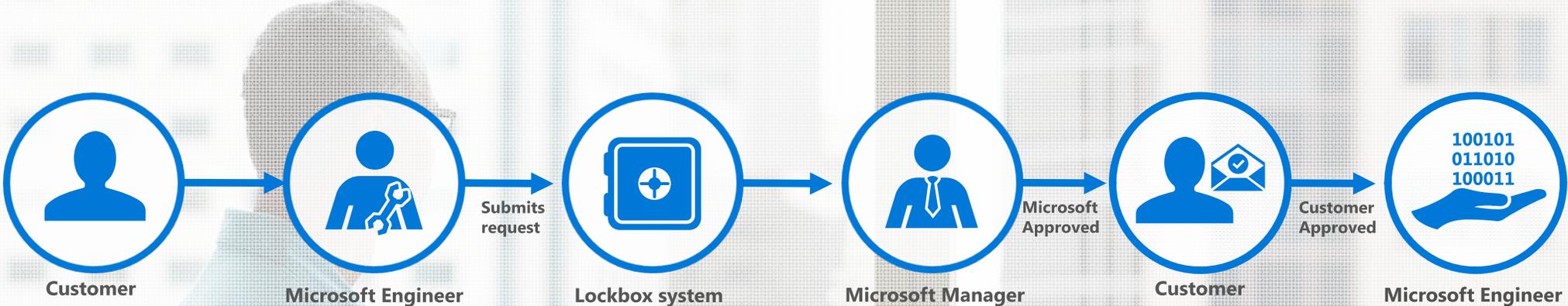
#### Included services

REFERENCE NUMBER	REQUESTED DATE	REASON	ACTION STATUS	ACTION
EXSR359XXX	4/8/2015	To fix a customer impacting issue	Approved	None

[View details and history](#)

- admin show
- Reset user pass
- Add new users
- Assign user lic
- Download soft
- resources
- Working with o
- Setting up mob
- Setting up user
- SharePoint
- Office 365 Adm
- Known issues
- Information on
- community
- Ask a question
- Check out our
- Participate in t

# Customer Lockbox flow



File Message

Ignore Delete Reply Reply All Forward Meeting IM More

Junk Delete

Delete Respond

Quick Steps

FIM Approvals Team Email Reply & Delete To Manager Done Create New

Move Actions

Mark Unread Categorize Follow Up

Tags

Translate

Find Related Select

Editing

Zoom

Wed 4/8/2015 9:57 AM

mailer@lockbox.com

AccessToCustomerContent Lockbox: Service change request action has completed - LockBoxElevateAccessWorkflow

To oce@microsoft.com

Who's Who + Get more apps

## EXCHANGE SERVICE CHANGE MANAGEMENT

Attention Required

### ACTION EXECUTED SUCCESSFULLY

Your account has been provisioned for AccessToCustomerContent

#### REQUEST INFORMATION

**Datacenter** XXX

**Requested Action** LockboxFlow

**Requestor** On-call Engineer

**Create Time** 4/8/2015 4:55:48 PM

**Reason** Fix the user mailbox missing issue

**Delay Until** <ASAP>

**Approvers** Microsoft Manager

#### REQUESTED ACTION PARAMETERS

**Role** AccessToCustomerContent

**ActionName** LockboxFlow

**Duration** 00:30:00

**Tenant** contoso.onmicrosoft.com

**AccountNameToElevate** oce-accessaccount

**ProcessDurationHours** 0

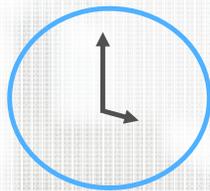
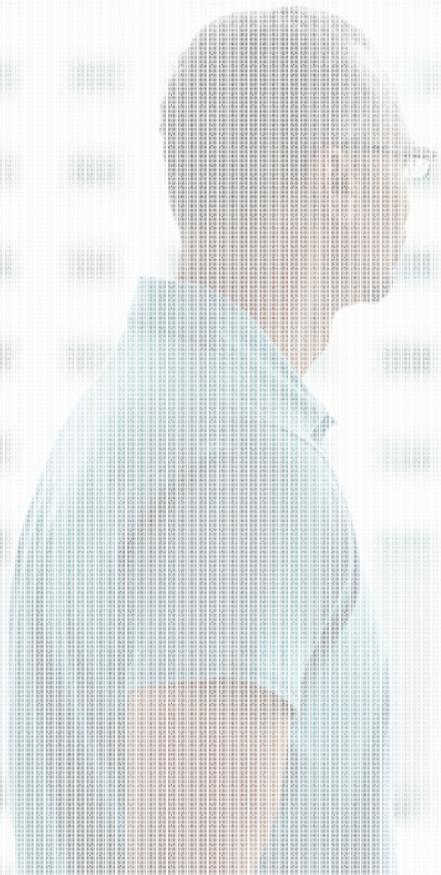
**Service Request #** EXSR359XXX

**Request ID** 42be1e1r-w131-49f2-ba0a-bf52gna1cfa0





# Customer Lockbox flow



Elapsed Time

00:30:00 Minutes

You are accessing an information system that may contain U.S. Government data. System usage may be monitored, recorded, and subject to audit. Unauthorized use of the system is prohibited and may be subject to criminal and civil penalties. Use of the system indicates consent to monitoring and recording. Administrative personnel remotely accessing the Office 365 environment:

- <1> shall maintain their remote computer in a secure manner, in accordance with organizational security policies and procedures as defined in Microsoft Remote Connectivity Security Policies;
- <2> shall only access the Office 365 environment in execution of operational, deployment, and support responsibilities using only administrative applications or tools directly related to performing these responsibilities; and
- <3> shall not knowingly store, transfer into, or process in the Office 365 environment data exceeding a FIPS 199 Moderate security categorization <FISMA Controlled Unclassified Information>.

Please disconnect this session if you disagree.

-----  
VERBOSE: Connected to

PS D:\Users\Desktop> get-command New-MailboxRestoreRequest

get-command : The term 'New-MailboxRestoreRequest' is not recognized as the name of a cmdlet, function, script file, or operable program. Check the spelling of the name, or if a path was included, verify that the path is correct and try again.

PS line:1 char:1

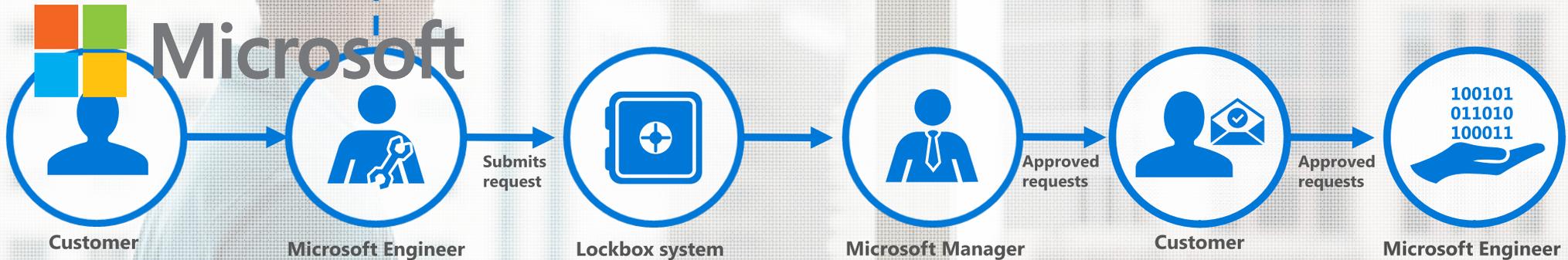
get-command New-MailboxRestoreRequest

\* CategoryInfo : ObjectNotFound: (New-MailboxRestoreRequest:String) [Get-Command], CommandNotFoundException  
\* FullyQualifiedErrorId : CommandNotFoundException,Microsoft.PowerShell.Commands.GetCommandCommand

PS D:\Users\Desktop>

# Customer Lockbox flow

**Service Request# EXSR359XXX [Status: Closed]**  
**Lockbox Request# 42be1e1r-w131-49f2-ba0a-bf52gna1cfa0**  
**Role Requested CustomerContentAccess**

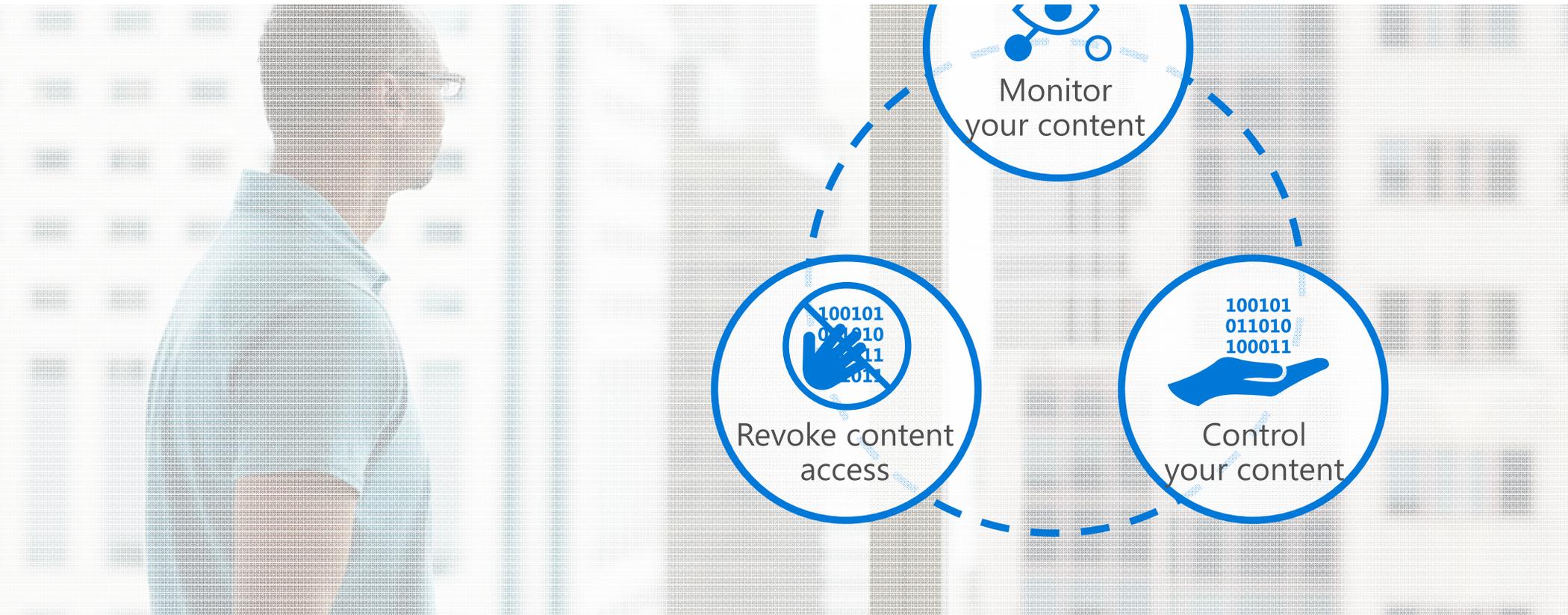


Scoped, least privileged access

Just-in-time access for limited duration

Audit logs for all access

# Trust = transparency + control



Monitor  
your content

Revoke content  
access

Control  
your content



Q&A



# Appendix