

# RSA® Conference 2015

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?

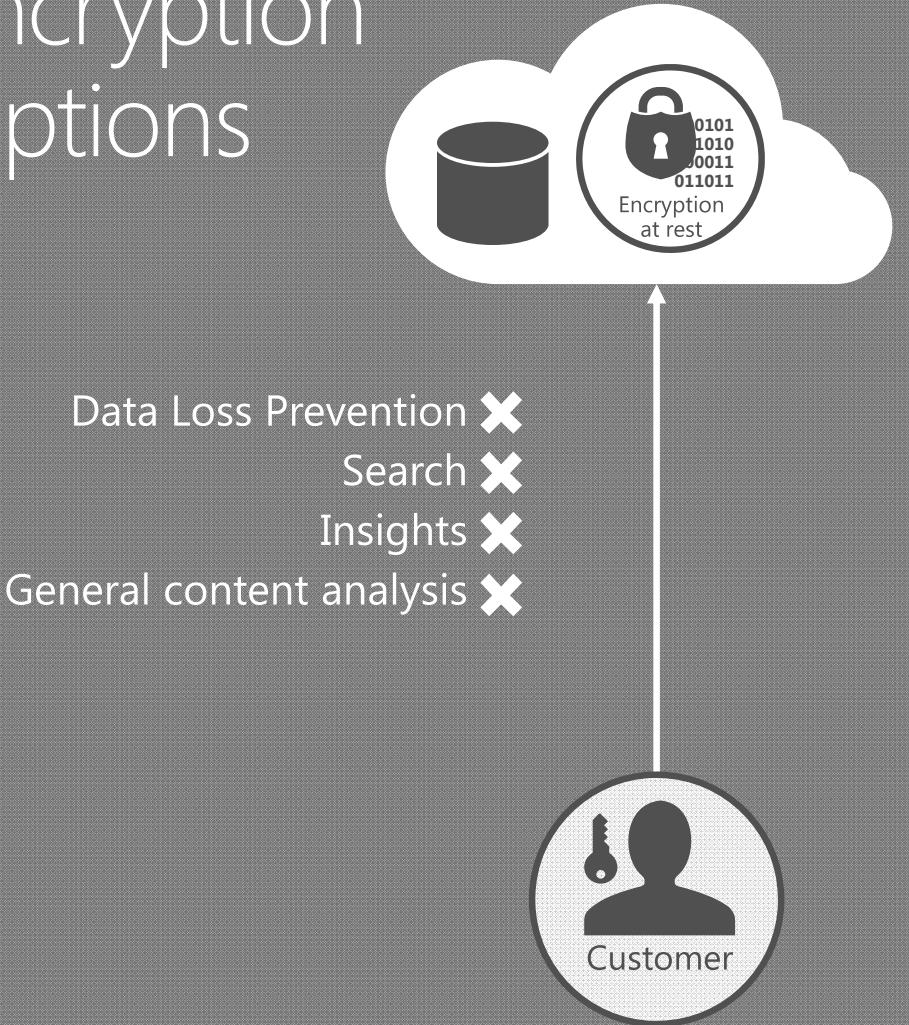
Who has **access** to my organization's content in the service?

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

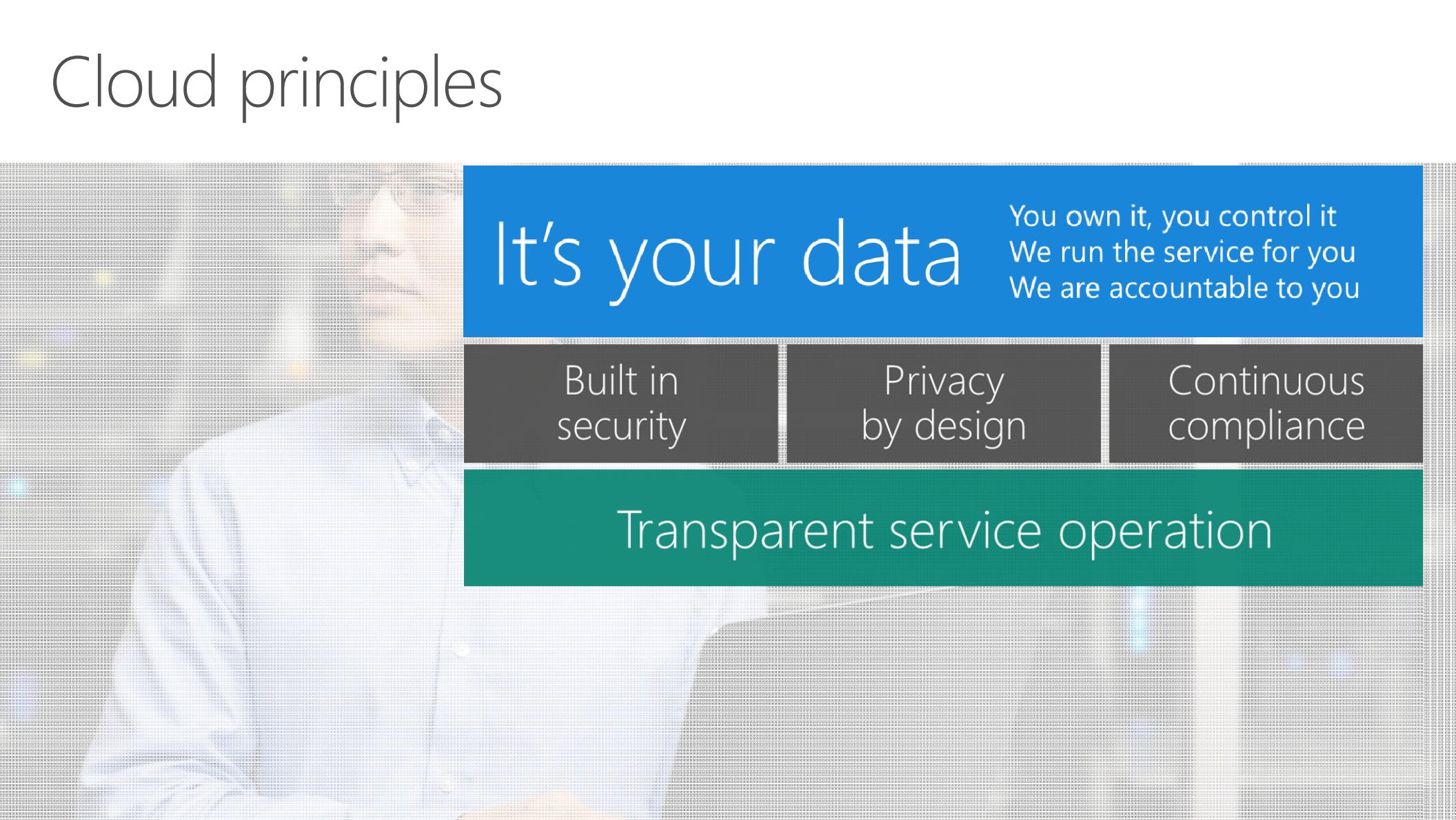
Can I **encrypt** everything so that it's not possible for you to have access to my content?



# Encryption Options



# 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

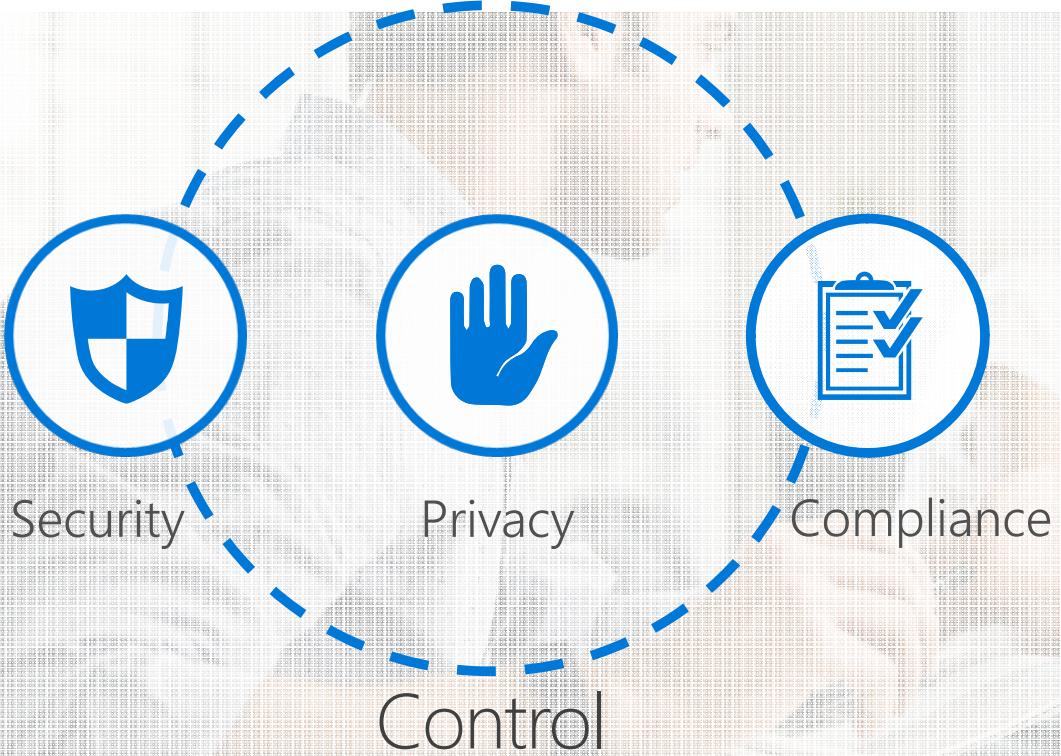
- Our own Office 365 pen testers test our services
- Simulate outsider and insider attack scenarios
- Strict Rules of Engagement ("do no harm")
- Practice incident response

## 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



Users



Admins



Microsoft



Activity  
API



Security



Report/Dashboards



Engagement



Compliance



Operations

ISVs

**RAPID7**

 palerra

 sumologic

 ALERTLOGIC  
Security. Compliance. Cloud.

 CloudLock

 BetterCloud  
Powering Cloud IT

 logentries™

 AvePoint®

 cogmotive  
Office 365 Reports

 VARONIS

 netskope

 skyhigh

 druua

 LogRhythm

# ISV Partner Integrations

LORIC by Palerra Settings

localhost:8080/#threatintelligence/77ed0963-ee90-11e3-a077-c5453937c62f

Alert Logics | Apps | Comedy Movie | Web

Monitor | Sumo Logic | Metrics | Metrics

Collectors | Hosts | Sources | Collections | Credentials | Schedules | Policies | Corrections | Flows | Systems | Windows | S3 | Updates | Azure | Alert Rules | Collection | Corrections | Support | Apps, Users & Policies | Configuration

Dashboard | Monitor | Reports | Threats | Incidents | View incident

## Threats

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

Time Range: Last 12 weeks

Issue Count

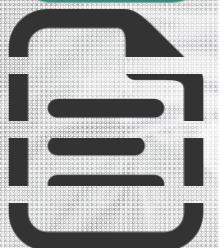
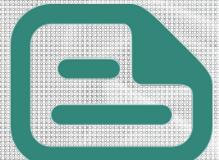
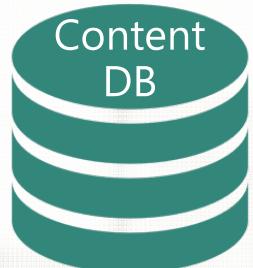
Trending per day

Legend:

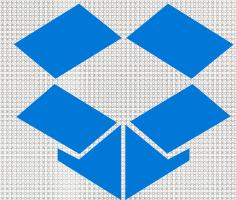
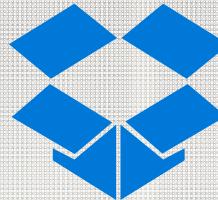
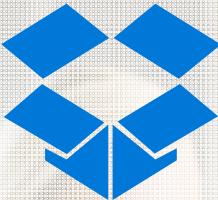
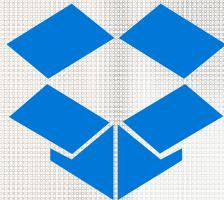
- Login Geographical Locations
- Emails Delivered
- Failed Logins
- Unique Failed Login IPs
- Failed Login Geographical Locations
- Login Actions
- File Download Actions
- Unique Login IPs

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



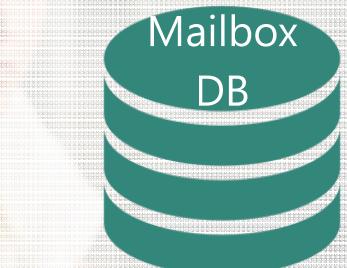
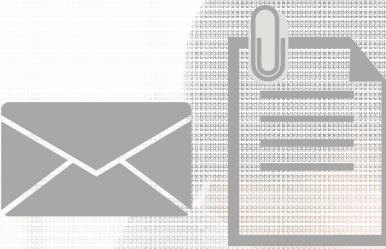
Key store



# Disk level encryption at rest in Exchange



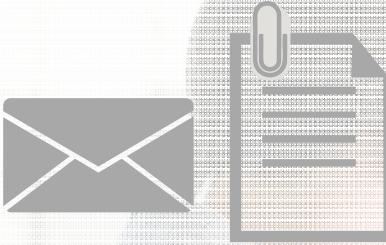
Customer



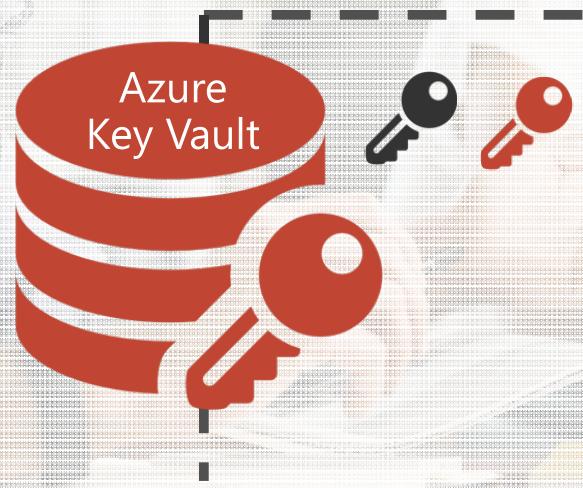
# Content level encryption at rest in Exchange



Customer



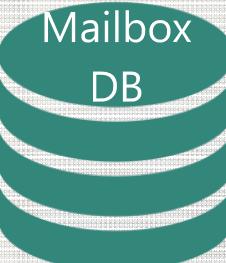
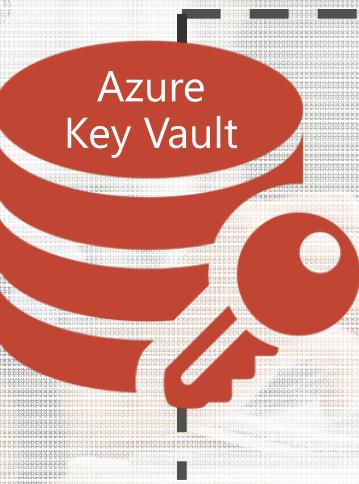
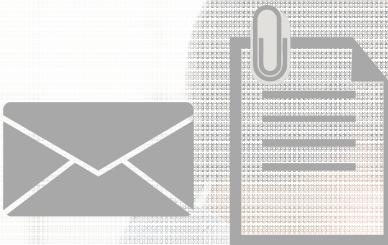
Azure  
Key Vault



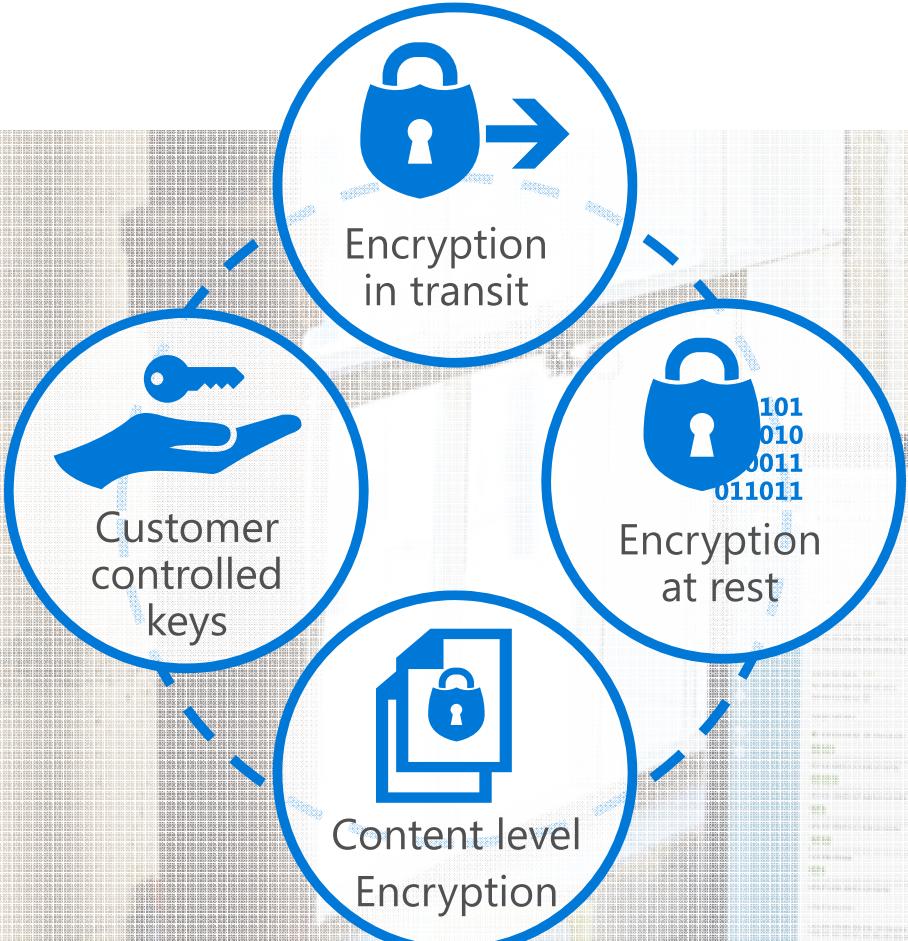
# Customer controlled keys in Exchange



Customer



# Control: Encryption with customer control



# Transparency and control: running the service



## Most operations are automated

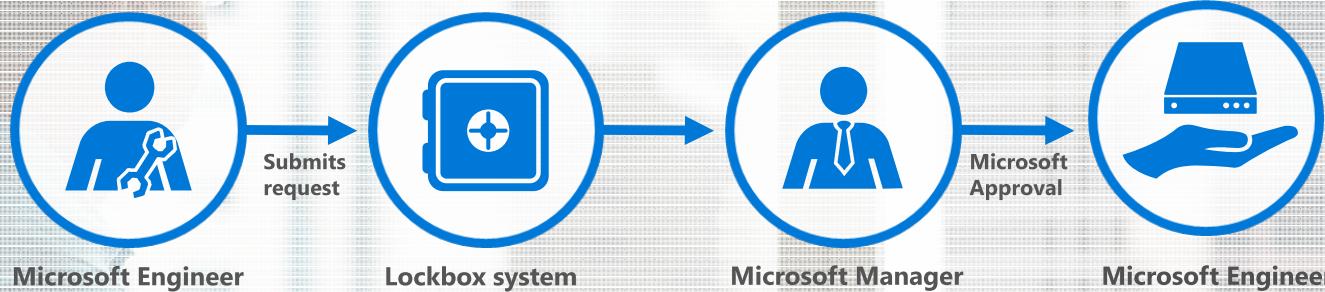
Data Center operations do not require access to customer content

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



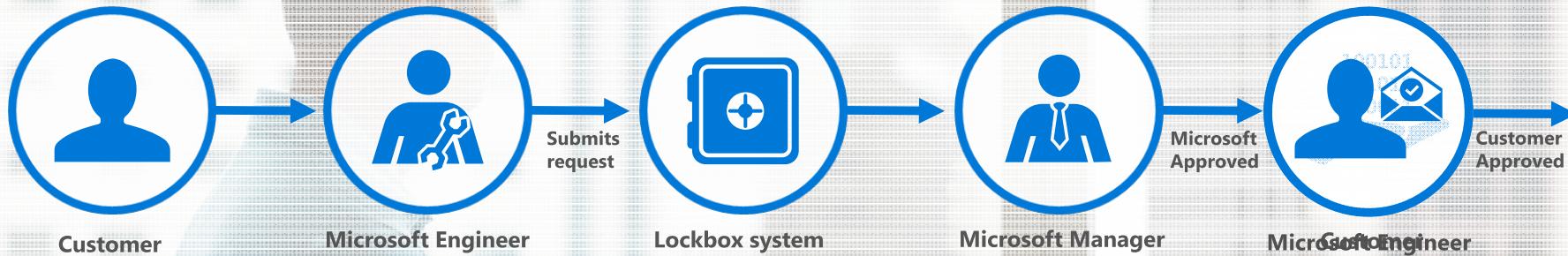
Scoped, least privileged access

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



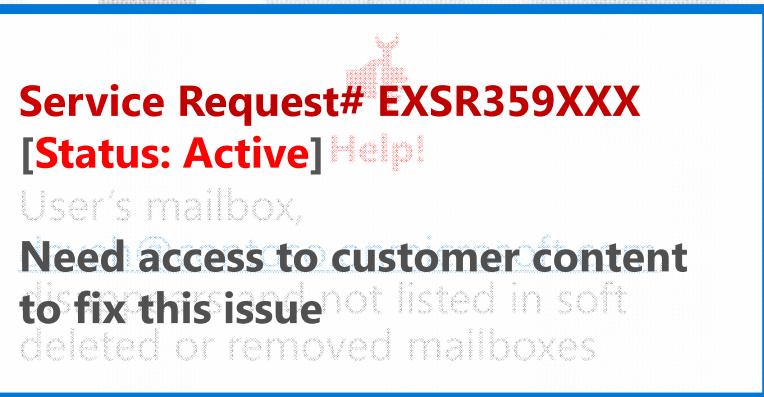
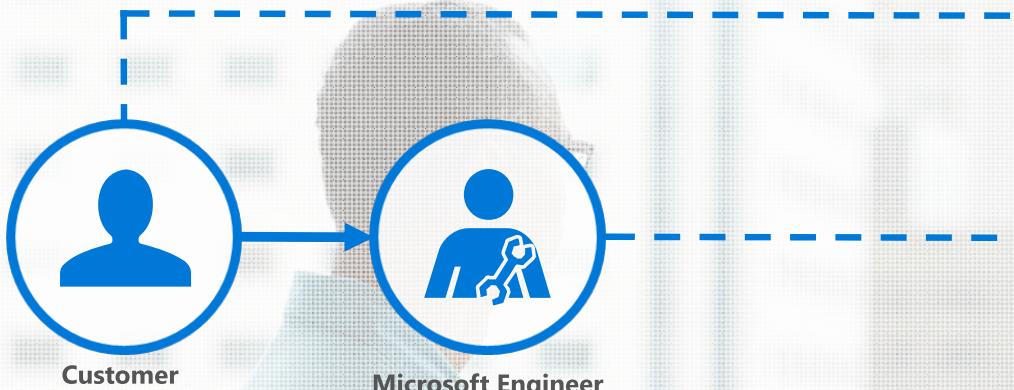
Customer controls authorization of Office 365 personnel access

# Customer Lockbox

It's your data

You own it, you control it

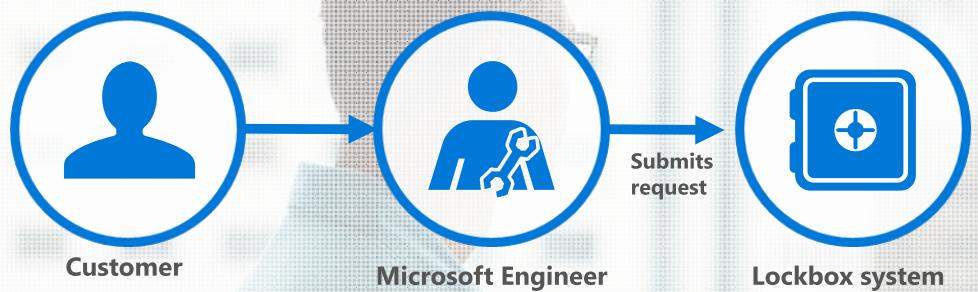
# Customer Lockbox flow



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.  
At 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>
```

```
[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'
```

```
Id
```

```
42be1e1r-w131-49f2-ba0a-bf52gna1cfa0
```

	Requestor	CreateTime	Approval	Approver	Action
	oce	4/12/2015 11:10:56 PM	Pending		Pending

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

File Message

Ignore Delete Reply All Forward IM More... Meeting FIM Approvals To Manager Rules Actions Move Quick Steps Done Create New Reply & Delete Unread Mark 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 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**

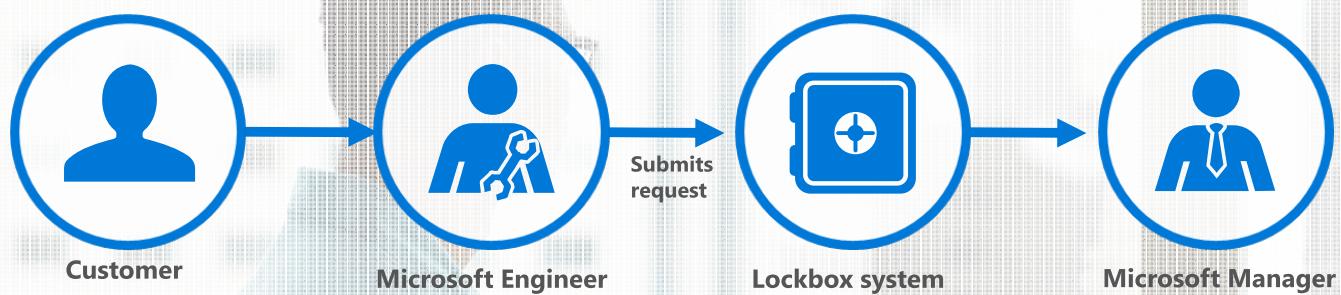
Datacenter	XXX
Requested Action	LockboxFlow
Requestor	On-call Engineer
Create Time	4/8/2015 4:55:48 PM
Reason	Fix the user mailbox missing issue
Delay Until	<ASAP>
Approvers	Microsoft Manager

**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





## ESCALATIONS

ALERTS

ELEVATION APPROVER

ELEVATION REQUESTOR

oncall

fabric

optics

changes

dedicated

yodapivot

### 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:

2-ba0a-bf52gna1cfa0

Content

This action would approve the selected elevation request.

OK Cancel

Approval Status: Pending  
Approver:

### Confirm

This action would approve the selected elevation request.

OK Cancel

### ESCALATIONS

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** (circled)  
Approver: Microsoft Manager

AccessToCustomerContent Lockbox: Service change request is approved - LockBoxElevateAccessWorkflow - Message (HTML)

File Message

Ignore Delete Reply Reply All Forward IM More FIM Approvals To Manager Team Email Done Reply & Delete Create New Rules Actions Move Mark Categorize Follow Translate Find Related Select Zoom Zoom

Quick Steps Move Tags Editing Zoom

Wednesday, April 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**

**REQUEST APPROVED**

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

**REQUEST INFORMATION**

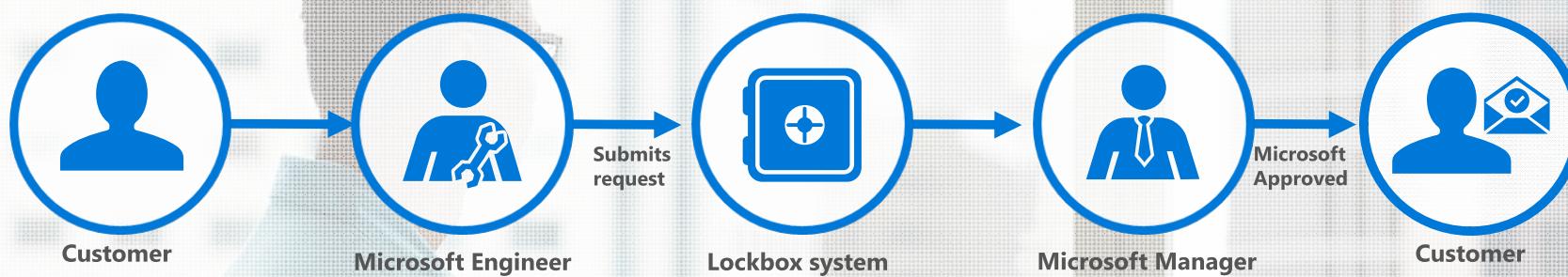
Datacenter	XXX
Requested Action	LockboxFlow
Requestor	On-call Engineer
Create Time	4/8/2015 4:55:48 PM
Reason	Fix the user mailbox missing issue
Delay Until	<ASAP>
Approvers	Customer

**REQUESTED ACTION PARAMETERS**

Role	AccessToCustomerContent
ActionName	LockboxFlow
Duration	00:30:00
Tenant	contoso.onmicrosoft.com
AccountNameToElevate	oce-accessaccount
ProcessDurationHours	0
Service Request #	EXSR35900X

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

# Customer Lockbox flow





••••• AT&T LTE      3:58 PM

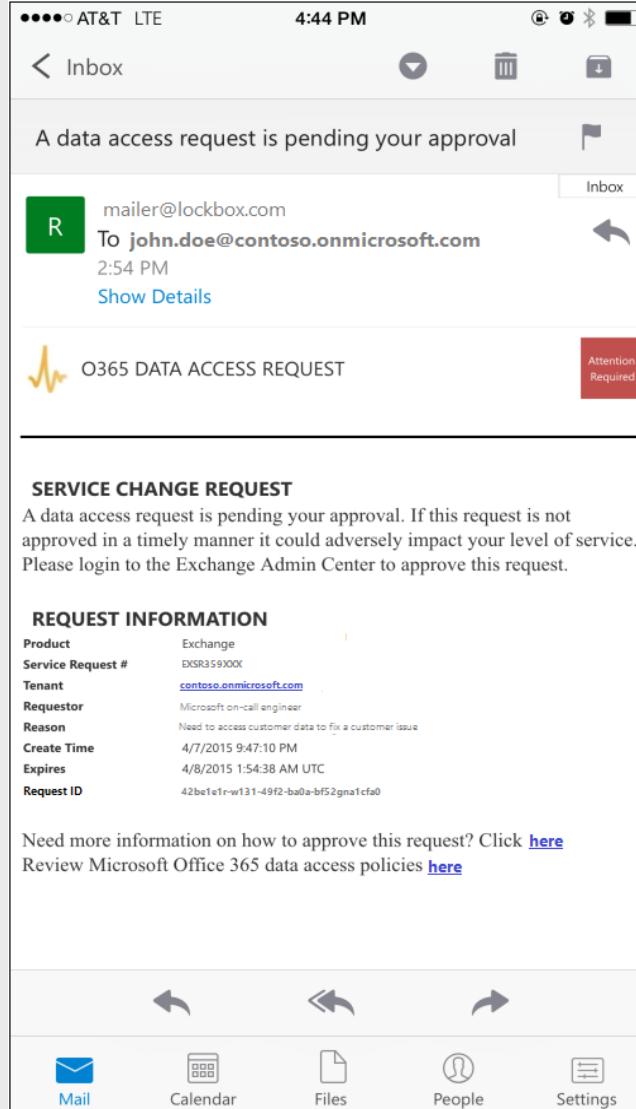
Inbox  
john.doe@contoso.microsoft.com

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

Mail      Calendar      Files      People      Settings





Office 365

Sign in with your work or school account

john.doe@contoso.onmicrosoft.com

••••••••••••••••••••••••••••••••

Keep me signed in

Sign in

Can't access your account?



Your work or school account can be used anywhere you see this symbol. © 2015 Microsoft. [Legal](#) [Privacy](#) [Feedback](#)

Hi, John.

## Install Office on your PC



Word



Excel



PowerPoint



Outlook



OneNote

Install now

Got a Mac? Sign in to Office 365 on your Mac to install.

Language: English

[Change language](#)

[Troubleshoot installation](#)

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



Mail



Calendar



People



Newsfeed



OneDrive



Sites



Tasks



Delve



Word Online



Excel Online

PowerPoint  
Online

OneNote Online



Admin

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

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

[View details and history](#)

### Service requests

No open service requests

### Message center

3 new messages in the past 7 days

### Included services

admin sho

[Reset user pass](#)[Add new users](#)[Assign user lic](#)[Download soft](#)

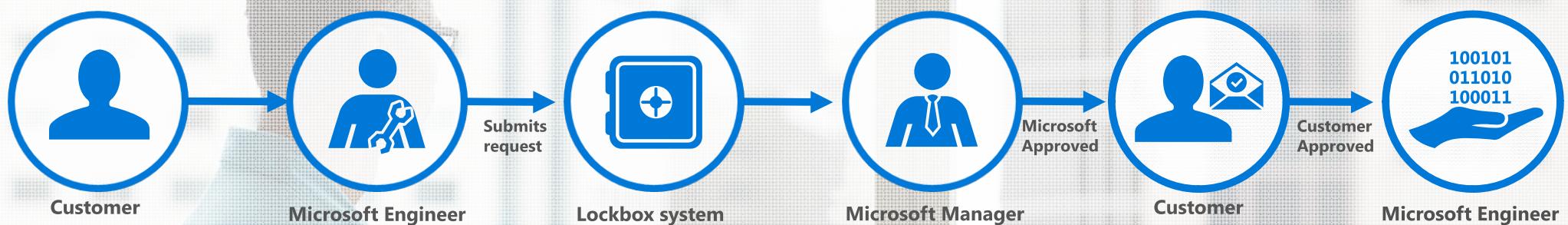
resources

[Working with c](#)[Setting up mob](#)[Setting up user](#)[SharePoint](#)[Office 365 Adm](#)[Known issues](#)[Information on o](#)

community

[Ask a question](#)[Check out our](#)[Participate in th](#)

# Customer Lockbox flow



File Message

Ignore Delete Reply Reply All IM More Meeting FIM Approvals To Manager Team Email Done Reply & Delete Create New Quick Steps Move Rules Actions Mark Categorize Follow Up Tags Translate Find Related Select Zoom 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

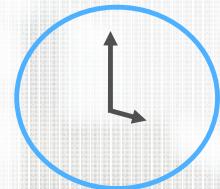
```
[PROD] PS C:\Users>  
[PROD] PS C:\Users> Get-Command New-MailboxRestoreRequest
```

CommandType	Name	ModuleName
Function	New-MailboxRestoreRequest	tmp_x8xpg4zf .hnq

```
[PROD] PS C:\Users>
```

```
PS C:\Users>
PS C:\Users> New-MailboxRestoreRequest -SourceStoreMailbox "1dakkf1-f504-ef56-8441-49easdssac421" -SourceDatabase "XXXX-XX-5FDG066-xx8" -TargetMailbox "contoso.onmicrosoft.com\daleh@contoso.onmicrosoft.com" -Priority high -ConflictResolution
```

# 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.

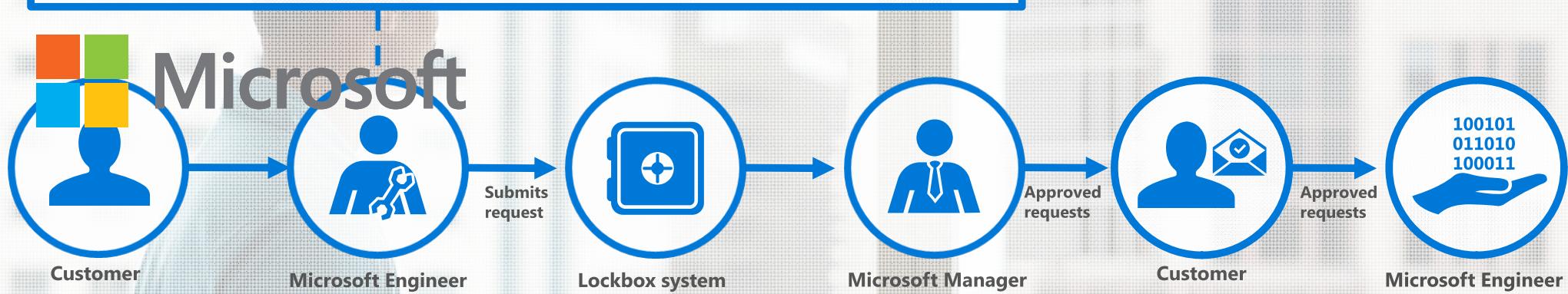
VERBOSE: Connected to  
PS D:\Users\Desktop> get-command New-MailboxRestoreRequest  
get-command : The term 'New-MailboxRestoreRequest' is not recognized as the name of a cmdlet, function, script file, or operable program. Check the spelling of the name, or if a path was included, verify that the path is correct and try again.  
At line:1 char:1  
+ get-command New-MailboxRestoreRequest  
+ Category=Info : 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

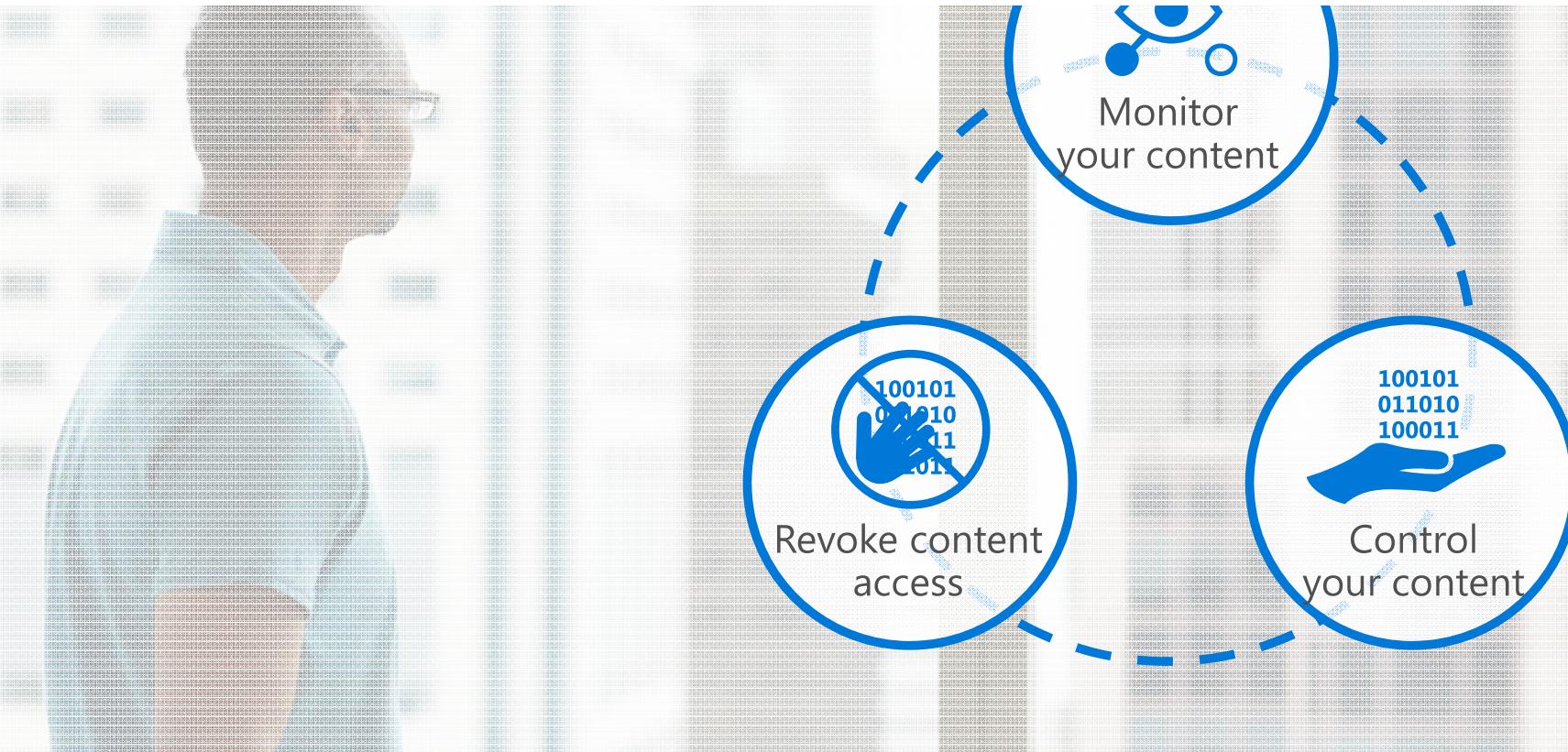


Scoped, least privileged access

Just-in-time access for limited duration

Audit logs for all access

# Trust = transparency + control





Q & A



# Appendix