

An abstract graphic featuring a network of circles and lines. The circles vary in size and are connected by thin lines, creating a web-like structure. The colors range from dark blue to light blue, with some circles having concentric inner circles. The overall effect is a sense of interconnectedness and complexity.

# **B2B GUEST ACCOUNTS**

## Community Days at Sea

# B2B Guest Accounts

Entra ID Magic



# Prerequisites for the scenario

- User principal name and primary email address are not identical
- Example UPN
  - `P1234@upn.logondomain.net`
- Primary email address
  - `John.Doe@varunagroup.de`



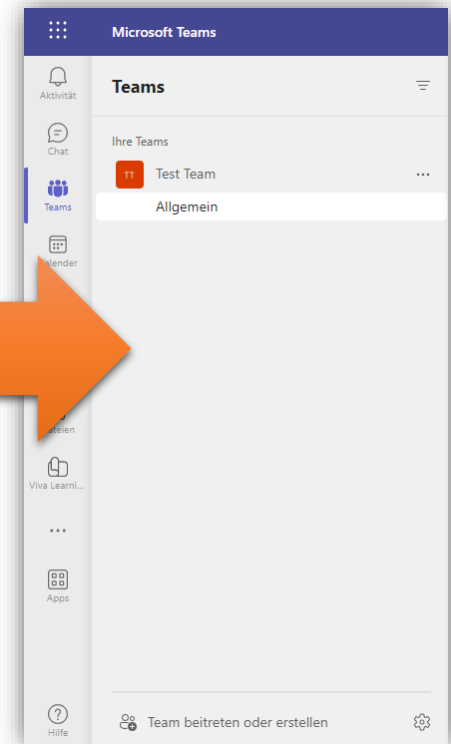
# B2B Use-Case



**Primary SMTP address**  
John.Doe@varunagroup.de


**Varuna Group – Source Tenant**

John is to work in a team at Ixion



**Ixion – Inviting Tenant**

# B2B Use-Case



**Primary SMTP address**  
John.Doe@varunagroup.de

**Varuna Group – Source Tenant**

John Doe receives an invite by email



**Microsoft Teams**

**Teams**

Ihre Teams

**Mitglieder zu „Test Team“ hinzufügen**

Beginnen Sie, einen Namen, eine Verteilerliste oder eine Sicherheitsgruppe einzugeben, um sie Ihrem Team hinzuzufügen. Sie können auch Personen außerhalb Ihrer Organisation als Gäste hinzufügen, indem Sie ihre E-Mail-Adressen eingeben.

John.Doe@varunagroup.de

Hinzufügen

John.Doe@varunagroup.de als Gast hinzufügen

Schließen

**Ixion – Inviting Tenant**

**What happens  
technically?**

Entra ID Invites

# B2B Account – Step 1

Primary email address and user principal name are identical

John Doe receives an invite by email

## Company Account



**Primary SMTP Address**  
John.Doe@varunagroup.de

Varuna Group – Source Tenant

## B2B Invite

Invite to  
**John.Doe@varunagroup.de**

Entra ID creates a new B2B guest account using the **email address** as

- Name
- SignInName
- User Principal Name

Exchange Online Directory Services creates a mail user object

## B2B Guest Account (Entra ID) MailGuestUser Object (EXO)

**EmailAddress**  
SMTP:John.Doe@varunagroup.de

**SignInName**  
John.Doe@varunagroup.de

**UserPrincipalName**  
John.Doe\_varunagroup.de#EXT#ixion.de

**MailNickName**  
John.Doe\_varunagroup.de#EXT#

Ixion – Inviting Tenant

# B2B Account – Step 2

Primary email address and user principal name are identical

John Doe accepts invite

## Company Account



**Primary SMTP Address**  
John.Doe@varunagroup.de

Varuna Group – Source Tenant

## B2B Invite

User accepts the invite and logs on to the inviting tenant.

Entra ID queries for permission to read profile information for

- Name

## B2B Guest Account (Entra ID) MailGuestUser Object (EXO)

**EmailAddress**  
SMTP:John.Doe@varunagroup.de

**SignInName**  
John.Doe@varunagroup.de

**UserPrincipalName**  
John.Doe\_varunagroup.de#EXT#ixion.de

**MailNickName**  
John.Doe\_varunagroup.de#EXT#

Ixion – Inviting Tenant



**So far so good**

**But what  
happens if  
primary email  
address and user  
principal name  
are not identical?**

# B2B Account – Step 1

Primary email address and user principal name are **not** identical

John Doe receives an invite by email

## Company Account



**User Principal Name**

P1234@emea.logondomain.net

**Primary SMTP Address**

John.Doe@varunagroup.de

Varuna Group – Source Tenant

## B2B Invite

Invite to

**John.Doe@varunagroup.de**

Entra ID creates a new B2B guest account using the **email address** as

- Name
- SignInName
- User Principal Name

Exchange Online Directory Services creates a mail user object

## B2B Guest Account (Entra ID) MailGuestUser Object (EXO)

**EmailAddress**

SMTP:John.Doe@varunagroup.de

**SignInName**

John.Doe@varunagroup.de

**UserPrincipalName**

John.Doe\_varunagroup.de#EXT#ixion.de

**MailNickName**

John.Doe\_varunagroup.de#EXT#

Ixion – Inviting Tenant

# B2B Account – Step 2

Primary email address and user principal name are **not** identical

John Doe accepts invite

## Company Account



**User Principal Name**

P1234@emea.logondomain.net

**Primary SMTP Address**

John.Doe@varunagroup.de

Varuna Group – Source Tenant

## B2B Invite

User accepts the invite and logs on to the inviting tenant.

Entra ID queries for permission to read profile information and **updates** the B2B guest account

## B2B Guest Account (Entra ID) MailGuestUser Object (EXO)

**EmailAddress**

SMTP:John.Doe@varunagroup.de

**SignInName**

P1234@emea.logondomain.net

**UserPrincipalName**

P1234\_emea.logondomain.net#EXT#ixion.de

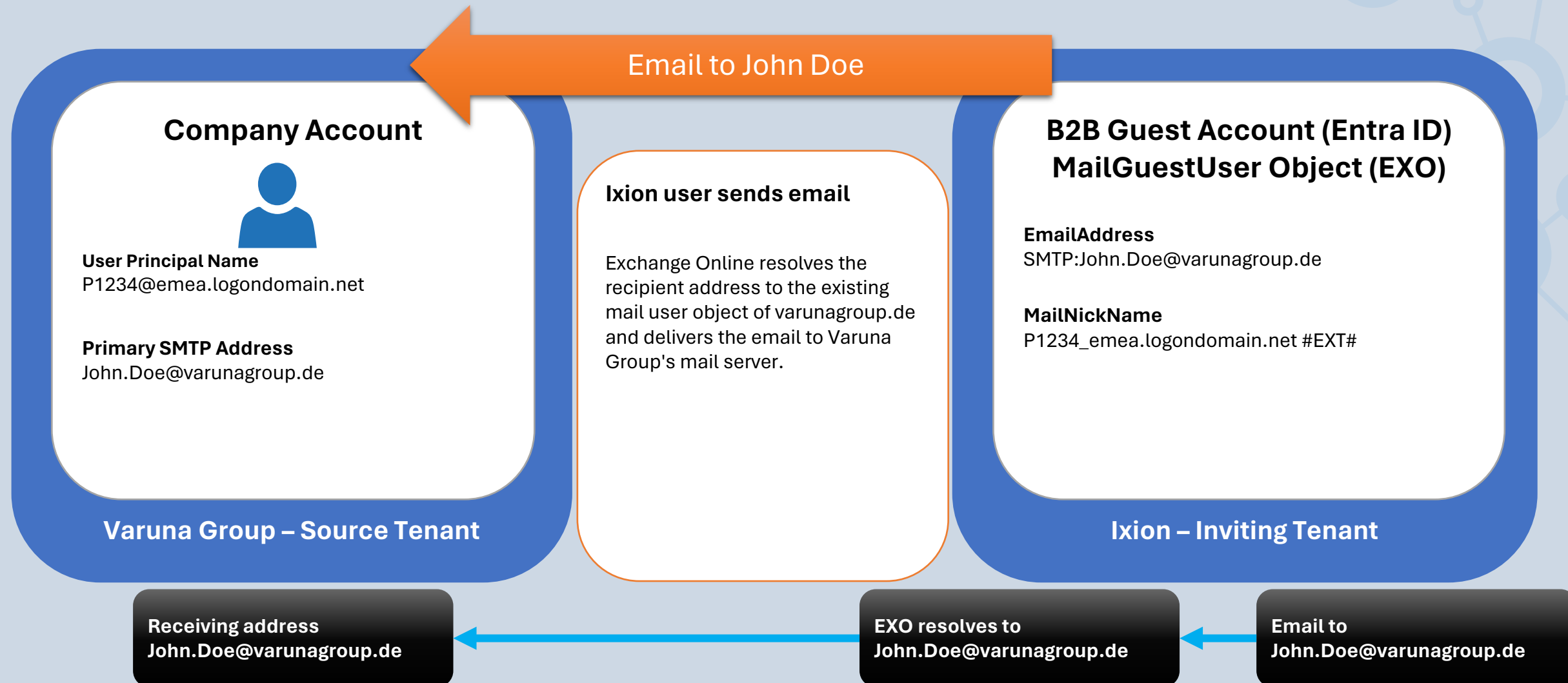
**MailNickName**

P1234\_emea.logondomain.net#EXT#

Ixion – Inviting Tenant

# Email Flow

Primary email address as of original invite



**Where The Fun  
Begins**

Merger and  
Acquisition  
or  
Carve Out

# B2B Account – Domain Change – Step 1

New primary email address and user principal name are **not** identical

## Company Account



### User Principal Name

P1234@emea.logondomain.net

### Primary SMTP Address

JDoe@setebos-ag.com

### Secondary SMTP Address

John.Doe@varunagroup.de

Varuna Group – Source Tenant

## Primary SMTP Address change

Varuna Group changes the company name and updates primary SMTP addresses to the new domain

- setebos-ag.com

## B2B Guest Account (Entra ID) MailGuestUser Object (EXO)

### EmailAddress

SMTP:JDoe@setebos-ag.com

### SignInName

JDoe@setebos-ag.com

### UserPrincipalName

JDoe\_Setebos-ag.com#EXT#ixion.de

### MailNickName

JDoe\_Setebos-ag.com#EXT#

Ixion – Inviting Tenant

# B2B Account – Domain Change – Step 2

New primary email address and user principal name are **not** identical

John Doe receives an invite by email

## Company Account



**User Principal Name**  
P1234@emea.logondomain.net

**Primary SMTP Address**  
JDoe@setebos-ag.com

**Secondary SMTP Address**  
John.Doe@varunagroup.de

Varuna Group – Source Tenant

## B2B Invite to new address

Invite to  
**JDoe@setebos-ag.com**

Entra ID creates a new B2B guest account using the **email address** as

- Name
- SignInName
- User Principal Name

Exchange Online Directory Services creates a mail user object

## B2B Guest Account (Entra ID) MailGuestUser Object (EXO)

**EmailAddress**  
SMTP:John.Doe@

**SignInName**  
John.Doe@varunagroup.de

**UserPrincipalName**  
John.Doe\_varunagroup.de#EXT#ixion.de

**MailNickName**  
John.Doe\_varunagroup.de#EXT#

Ixion – Inviting Tenant

# B2B Account – Domain Change – Step 3

New primary email address and user principal name are **not** identical

John Doe logs on to the new Team

## Company Account



### User Principal Name

P1234@emea.logondomain.net

### Primary SMTP Address

JDoe@setebos-ag.com

### Secondary SMTP Address

John.Doe@varunagroup.de

Varuna Group – Source Tenant

## B2B Invite

User accepts the invite and logs on to the inviting tenant.

Entra ID queries for permission to read profile information and **updates** the B2B guest account

## B2B Guest Account (Entra ID) MailGuestUser Object (EXO)

### EmailAddress

SMTP:John.Doe@varunagroup.de

### SignInName

P1234@emea.logondomain.net

### UserPrincipalName

P1234\_emea.logondomain.net#EXT#ixion.de

### MailNickName

P1234\_emea.logondomain.net#EXT#

Ixion – Inviting Tenant



# B2B Account – Domain Change – Step 4

John Doe accepts invite

## Company Account



### User Principal Name

P1234@emea.logondomain.net

### Primary SMTP Address

JDoe@setebos-ag.com

### Secondary SMTP Address

John.Doe@varunagroup.de

Varuna Group – Source Tenant

## B2B Invite

User accepts the invite and logs on to the inviting tenant.

Entra ID queries for permission to read profile information and **updates** the existing B2B guest account.

Entra ID merges the two guest accounts with the **SignInName** as **matching criteria**.

## B2B Guest Account (Entra ID) MailGuestUser Object (EXO)

### EmailAddress

SMTP:John.Doe@varunagroup.de  
smtp:Jdoe@setebos-ag.com

### SignInName

P1234@emea.logondomain.net

### UserPrincipalName

P1234\_emea.logondomain.net#EXT#ixion.de

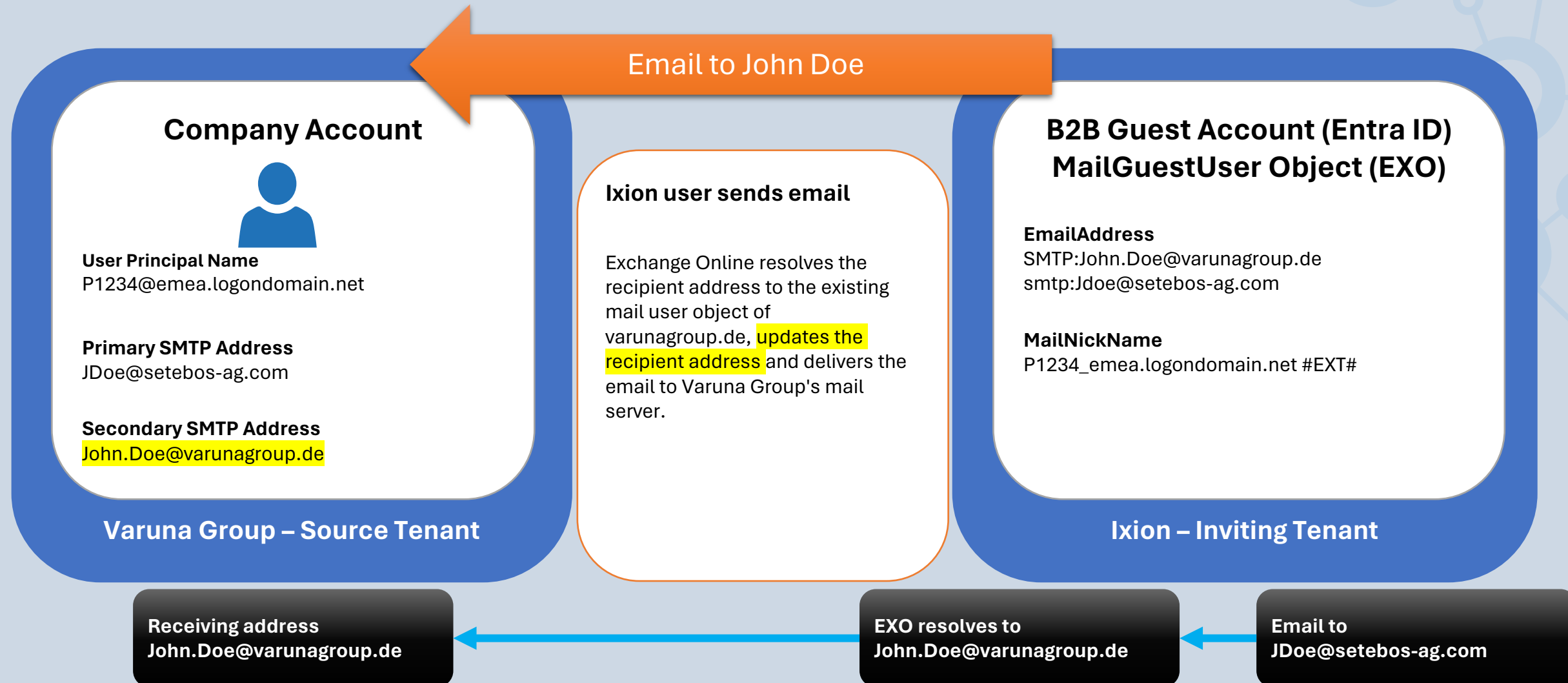
### MailNickName

P1234\_emea.logondomain.net #EXT#

Ixion – Inviting Tenant

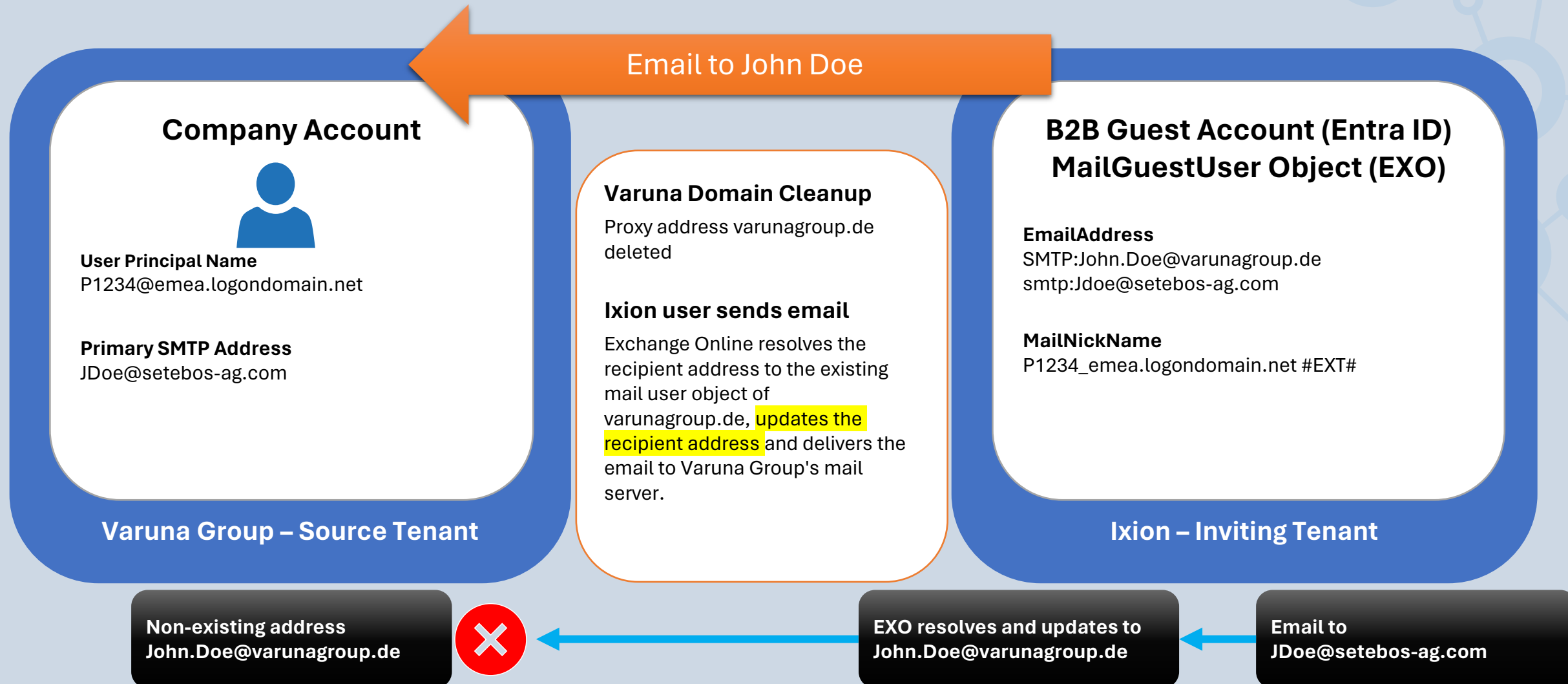
# Email Flow

Primary email address as of original invite



# Email Flow

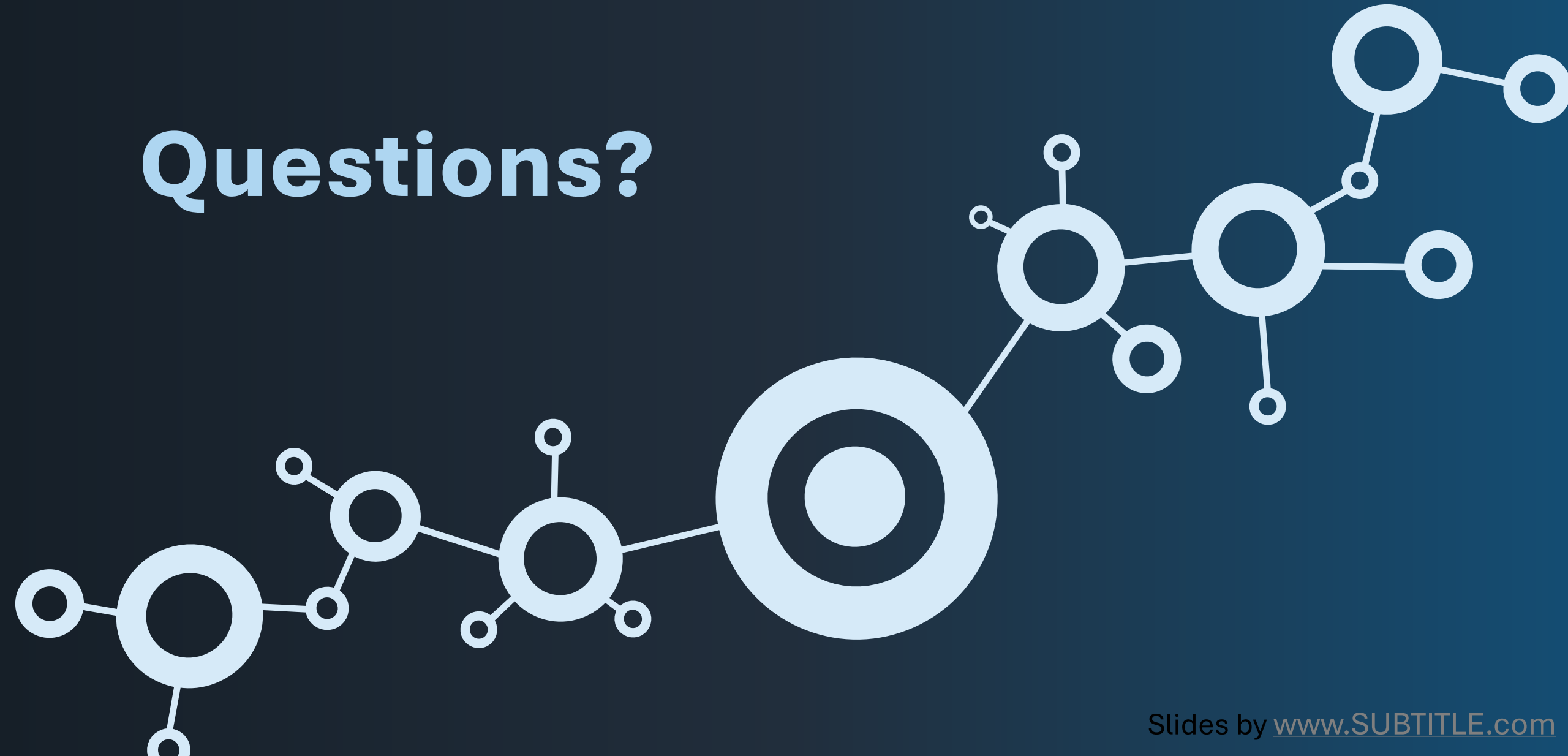
Primary email address as of original invite



# Summary

- The inviting tenant adds email addresses to an existing guest account, if the guest uses a dedicated user principal name as sign in name
- Email delivery fails to the original email address of the guest user if the address is removed from the account, e.g., domain renaming, carve-out, etc.
- As an inviting party for B2B you must update the B2B guest account manually
- If you update email addresses in your tenant, you should inform your partners

# Questions?



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