# Upgrading to Mesh Unified

## Background

The email security landscape has changed, and so have the ways to defend against it. Modern protection can require more than a single checkpoint. A layered approach enables early detection and ongoing monitoring for hidden threats.

## Need for MX and API Protection

Email attacks now commonly occur at two levels — at the gateway, where payloads and malicious intent can be identified pre-delivery, and within the inbox, where threats emerge post-delivery through delayed execution or user interaction.

A layered architecture that combines MX-level filtering with API-based inbox visibility provides comprehensive coverage. This approach enables both proactive threat blocking and responsive remediation, aligning with the demands of modern cloud email environments.

## The Genesis Of The 2-in-1 Solution

In response to today's threat vectors, MSPs are increasingly combining API-based protection with existing email gateways such as Microsoft.

While this dual-engine setup boosts security, it also creates duplication — two platforms to manage, two vendors to pay, and two sets of admin tasks. This has created demand for a more efficient path forward: a single solution that simplifies management while still covering both pre and post-delivery threats.

| | MESH GATEWAY | MESH 365 | MESH UNIFIED |
|---|---|---|---|
| **Deployment** | MX based | API based | MX & API based |
| **Mail Platforms Supported** | ⊞ M E | ⊞ | ⊞ |
| **Security Features** | | | |
| Inbound Scanning | ✓ | ✓ | ✓ |
| Outbound Scanning (Smarthost) | ✓ | ✗ | ✓ |
| Outbound Sender Behavior Analysis | **Outbound Scanning required** | **Automatic** | **Automatic** |
| Insider Threat Protection | ✗ | ✓ | ✓ |
| Post-Delivery Threat Protection / Auto-Remediation | ✗ | ✓ | ✓ |
| Incident Response | ✗ | ✓ | ✓ |
| Warning Banners: Verdict & Contextual New | ✗ | ✓ | ✓ |
| Attachment Sandboxing | ✓ | ✓ | ✓ |
| URL Protect | ✓ | ✓ | ✓ |
| Impersonation Detection | ✓ | ✓ | ✓ |
| QR Code Phish Detection | ✓ | ✓ | ✓ |
| Mesh Phish Protect - Anti-phish Engine | ✓ | ✓ | ✓ |
| 4x Antimalware & AV engines | ✓ | ✓ | ✓ |
| Graymail / Newsletter / Marketing Email Filter | ✓ | ✓ | ✓ |
| SPF, DKIM, DMARC Verification | ✓ | **Performed by SEG on Microsoft ATP** | ✓ |
| Dynamic Content Scanning / Anti-spam | ✓ | ✓ | ✓ |
| Azure Sync | ✓ | ✓ | ✓ |
| Quarantine Digests | ✓ | ✓ | ✓ |
| Flexible Policies - Quarantine, Junk, Warning Banners | **Quarantine Only** | ✓ | ✓ |
| Honors allow / block rules created in Outlook | ✗ | ✓ | ✓ |
| Mail Spooling / Mail Bagging if server is down | ✓ | ✗ | ✓ |
| Single Sign-on (SSO) (Office 365 only) | ✓ | ✓ | ✓ |

# Upgrading from Mesh Gateway to Mesh Unified

Upgrading from Mesh Gateway to Mesh Unified not only enhances protection at the mailbox level, but also provides a host of valuable features. This includes the ability to monitor internally sent emails, remediate previously delivered messages, and implement warning banners. Additionally, it offers greater flexibility in policy options for an even more comprehensive security solution.

## Features & Benefits

**Email Remediate**

The ability to remove already delivered emails from the inbox - an incident response tool for email.

**Insider Threat Protection**

Internal emails are scanned for threats, providing robust protection against lateral phishing and East-West attacks.

**Warning Banners**

The ability to add verdict-based banners to email either moved to the inbox or junk folder in Outlook.

**Flexible Policies**

Besides deliver and quarantine, you can now add banners, or move emails to the junk or deleted folders in Outlook and Microsoft.

**Honors Outlook rules**

Mesh honors user-created allow and block rules in Outlook, ensuring a seamless experience for users.

**Cost-effective**

Mesh Unified streamlines email security, saving costs compared to using two separate providers, while also reducing administrative time and effort.

# Upgrading from Mesh 365 to Mesh Unified

Upgrading to Mesh Unified from Mesh 365 ensures that dangerous emails are scanned and blocked before they reach the mailbox. It also consolidates email traffic management into a unified interface, eliminating the need to search for email in a third-party gateway or Microsoft's console. Additionally, it provides redundancy in the event of Microsoft 365 experiencing downtime by queuing emails for delivery.

## Features & Benefits

**Pre-Delivery Protection**

Scan and block dangerous emails before they ever reach the mailbox.

**Single Pane of Glass**

Avoid managing email from two separate UI's (e.g. Microsoft or a third party SEG) upstream of Mesh.

**Consolidate Solutions**

Eliminate the need to manage two separate solutions for email security.

**SPF, DKIM, DMARC Checks**

Sender verification checks are performed by, and are viewable in the Mesh Live Email Tracker.

**Email Spooling**

In case of Microsoft downtime, instead of being bounced or rejected, Mesh will queue emails for delivery.

**Cost-effective**

Mesh Unified streamlines email security, saving costs compared to using two separate providers, while also reducing administrative time and effort.