

RightFax OAuth with Office365

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DOCUMENT VERSION

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AUTHOR

Thang Nguyen

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Introduction

In response to industry standards and the evolving security landscape, we are thrilled to announce that RightFax now fully supports OAuth (Open Authorization) authentication when connecting to Office 365/Exchange Online. This addition is a significant step forward in ensuring the security and seamless operation of our faxing solution in your environment. The OAuth integration detailed in this document has been deployed on many of our customer RightFax environments.

Why is this important?

OAuth has become the industry standard protocol for authentication, and it is rapidly replacing traditional methods, such as basic authentication (deprecated on March 31, 2023). It offers improved security, better user experiences, and streamlined access to your Office 365/Exchange Online resources.

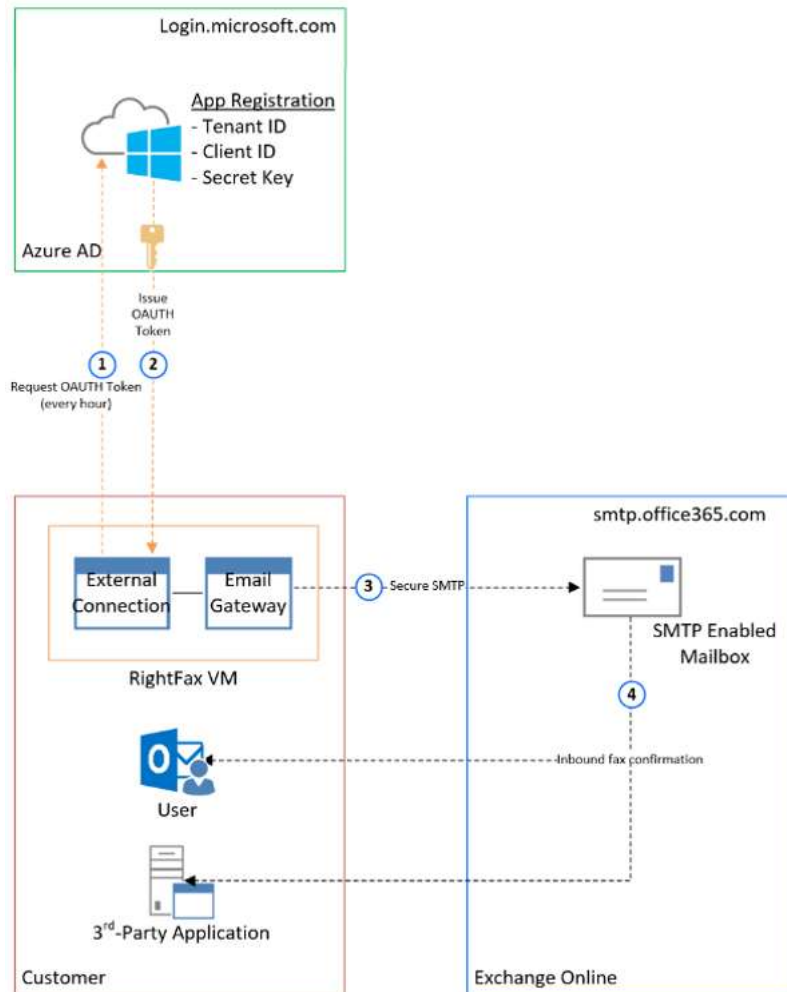
Key Highlights:

- **Enhanced Security:** OAuth provides robust security mechanisms that are paramount in today's digital landscape. By adopting OAuth authentication, your organization reinforces its commitment to data protection and user privacy.
- **Industry Compliance:** As the industry moves away from basic authentication, staying up-to-date with OAuth is crucial to maintaining compatibility and adherence to security best practices.
- **Seamless Integration:** RightFax's support for OAuth ensures that your faxing processes integrate seamlessly with Office 365/Exchange Online, creating a frictionless experience for your users.

In conclusion, the adoption of OAuth as the standard authentication protocol is pivotal, especially considering the deprecation of basic authentication with Office 365/Exchange Online. We are excited about this development and the enhanced security it brings to your RightFax environment.

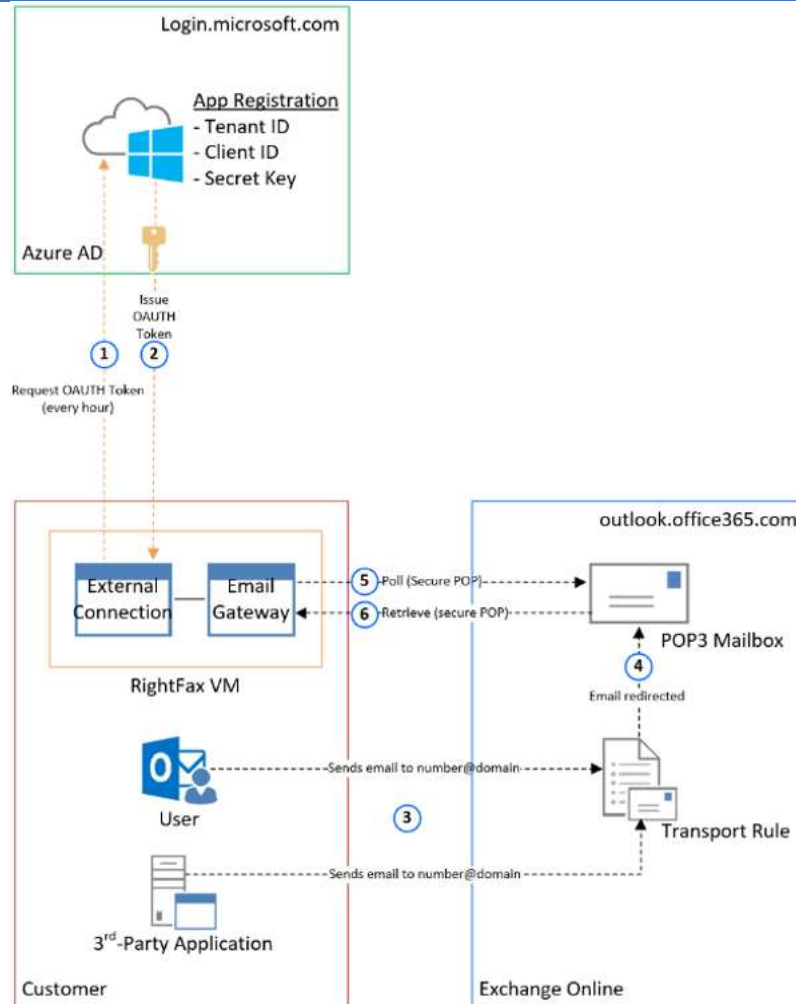
Thank you for choosing Axient, and please don't hesitate to reach out if you have any questions or require assistance with this transition.

OAuth SMTP & Inbound Faxing Process



1. RightFax external connection is configured with the Azure app registration details (tenant ID, client ID and Secret Key). It will request an OAuth token (every hour) from Azure AD. Note – these details will be unique for each Azure tenancy.
2. Azure AD authenticates the app registration details provided and grants an OAuth token to the RightFax server.
3. RightFax Email Gateway utilises the newly granted OAuth token to access an SMTP-enabled mailbox on Exchange Online to send fax email confirmations (secure SMTP).
4. For any inbound fax, RightFax will leverage the SMTP-enabled mailbox (Exchange Online) to send the email to users using secure SMTP.

OAuth POP3 & Outbound Faxing Process



1. RightFax external connection is configured with the Azure app registration details (tenant ID, client ID and Secret Key). It will request an OAuth token (every hour) from Azure AD. Note – these details will be unique for each Azure tenancy.
2. Azure AD authenticates the app registration details provided and grants an OAuth token to the RightFax server.
3. Users and/or 3rd party applications sends emails to “number@domain” (email-to-fax function). Note – a fictitious domain will be used. E.g., number@fax.aus
4. Transport rule redirecting all emails containing the fictitious domain to the designated POP3 Mailbox.
5. The RightFax Email Gateway utilises the newly granted OAuth token to poll (secure POP) a POP3-enabled mailbox on Exchange Online.
6. The RightFax Email Gateway will retrieve all emails contained within the POP3 mailbox.
7. RightFax will convert the email to a TIF file and send as a fax (the number contained within the original email “to address” will be used as the destination fax number).

Appendix

RightFax Version requirements

| RightFax Version | Minimum Patch level |
|------------------|--------------------------------|
| 16.2 | SR8 |
| 16.4 | SR6 |
| 16.6 | SR4 |
| 21.2 | N/A (included in base release) |
| 22.2 | N/A (included in base release) |

Firewall Requirements

OAuth SMTP & Inbound Faxing Process

| Source | Destination | Port (TCP) |
|-----------------|-----------------------|------------|
| RightFax Server | Smtplib.office365.com | 443 |
| RightFax Server | Smtplib.office365.com | 587 |
| RightFax server | Login.microsoft.com | 443 |

OAuth POP3 & Outbound Faxing Process

| Source | Destination | Port (TCP) |
|-----------------|-----------------------|------------|
| RightFax Server | Outlook.office365.com | 443 |
| RightFax Server | Outlook.office365.com | 995 |
| RightFax server | Login.microsoft.com | 443 |