
AWS
re:Invent
NOV. 28 – DEC. 2, 2022 | LAS VEGAS, NV

STG330

Supercharge managed file transfer with low-code file movement & automation

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Agenda

Managed File Transfer (MFT) overview

AWS Transfer Family – New features

MFT data flow directions and actions

Common architecture patterns for SFTP using AWS Transfer Family

Demo 1

Common architecture patterns for Applicability Statement 2 (AS2) using AWS Transfer Family

Demo 2

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File transfers are everywhere



Do you need to move data or files from external sources or subscriptions into a data lake or storage system?



Do you need to securely share files with external customers or clients on a frequent basis?

MFT workflows are complex to manage at scale

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AWS Transfer Family solutions



Simple file sharing

Line-of-business user interested in easy, B2B file sharing using common protocols like SFTP, FTP, or FTPS



Managed File Transfer (MFT)

Centralized IT team responsible for managing and operating secure file exchange for line-of-business users



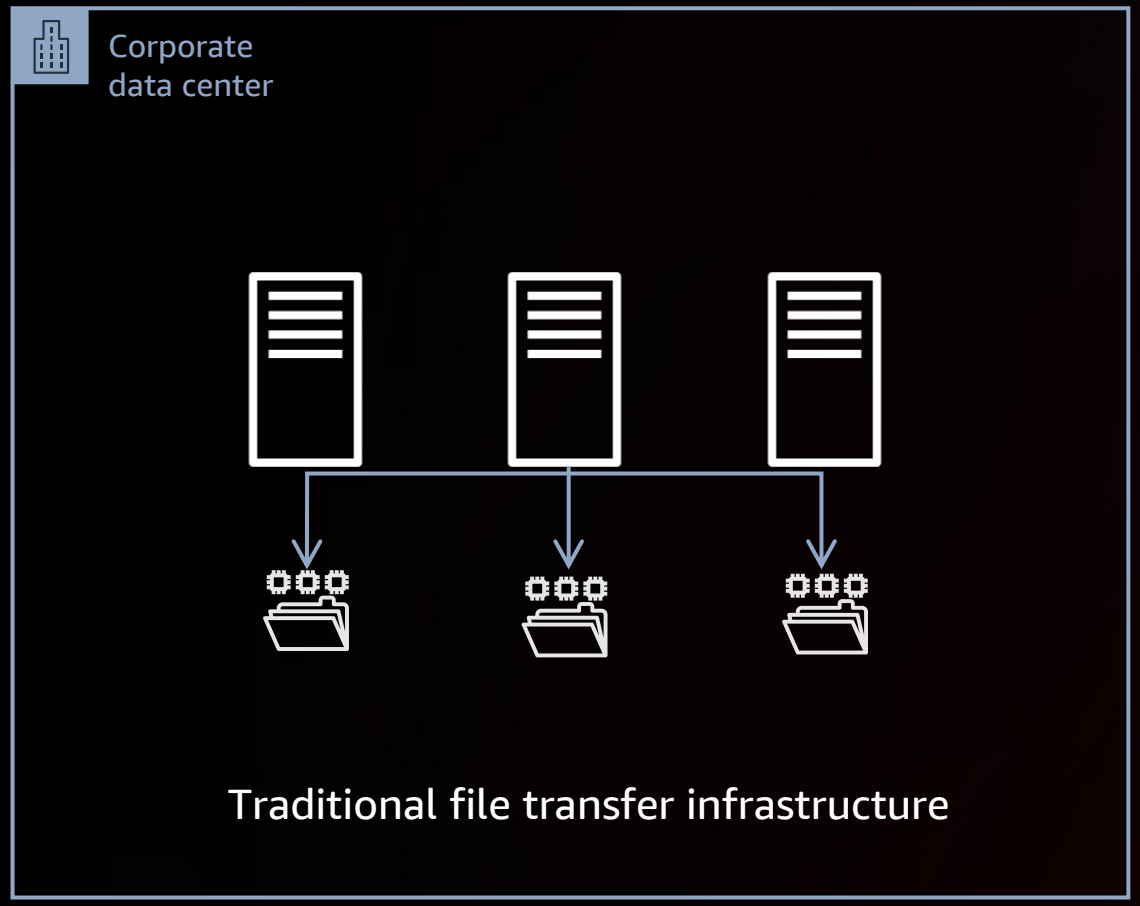
B2B data integration

IT architects that leverage protocols such as AS2 to integrate EDI data from a network of partners with internal applications and systems

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MFT can be challenging



Traditional file transfer infrastructure

- 24/7 operations
- Infrastructure management for connectivity, storage, and partner configuration
- Data stored on premises is inaccessible to data science and BI tools
- Patching for compliance requirements

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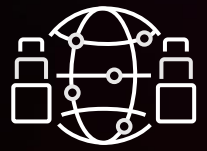
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AWS Transfer Family

FRICTIONLESS FILE TRANSFERS ENABLING BUSINESS-TO-BUSINESS (B2B) CONNECTIVITY



Seamless migration of file transfers using SFTP, FTPS, FTP, and AS2



Fully managed, highly available across the globe



Secure and compliant



Native integration with AWS services



Cost effective

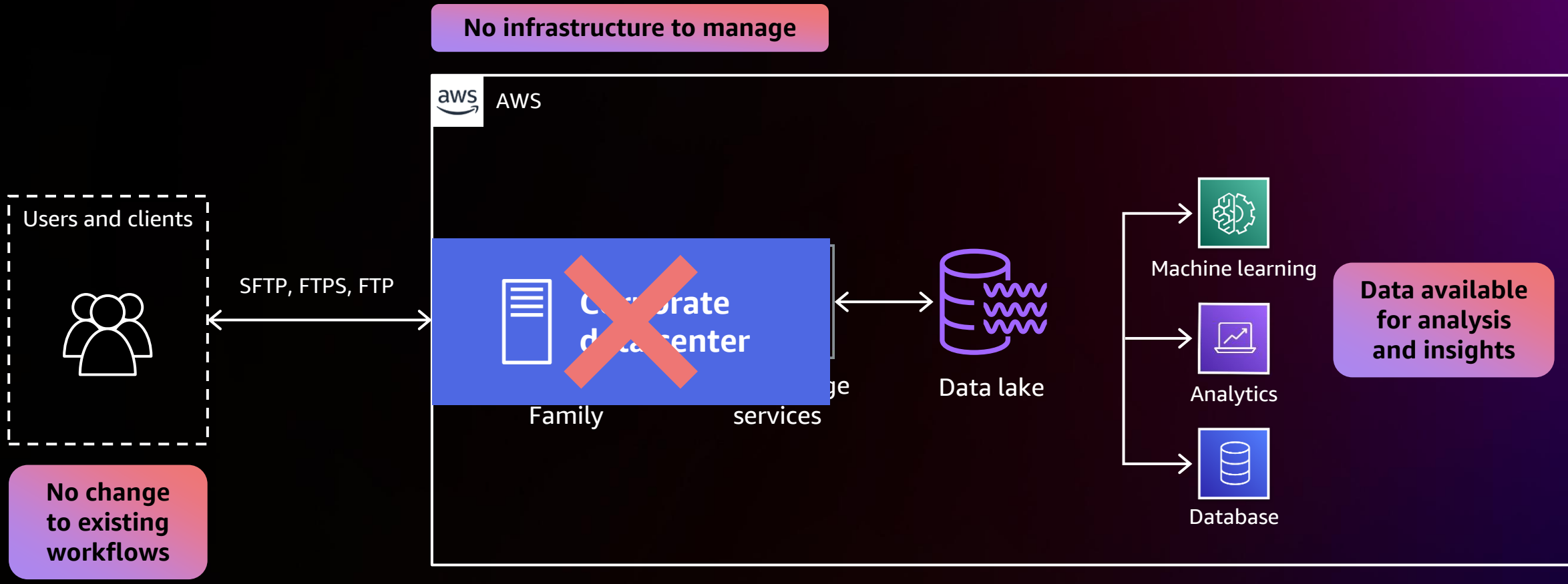


Simple to use

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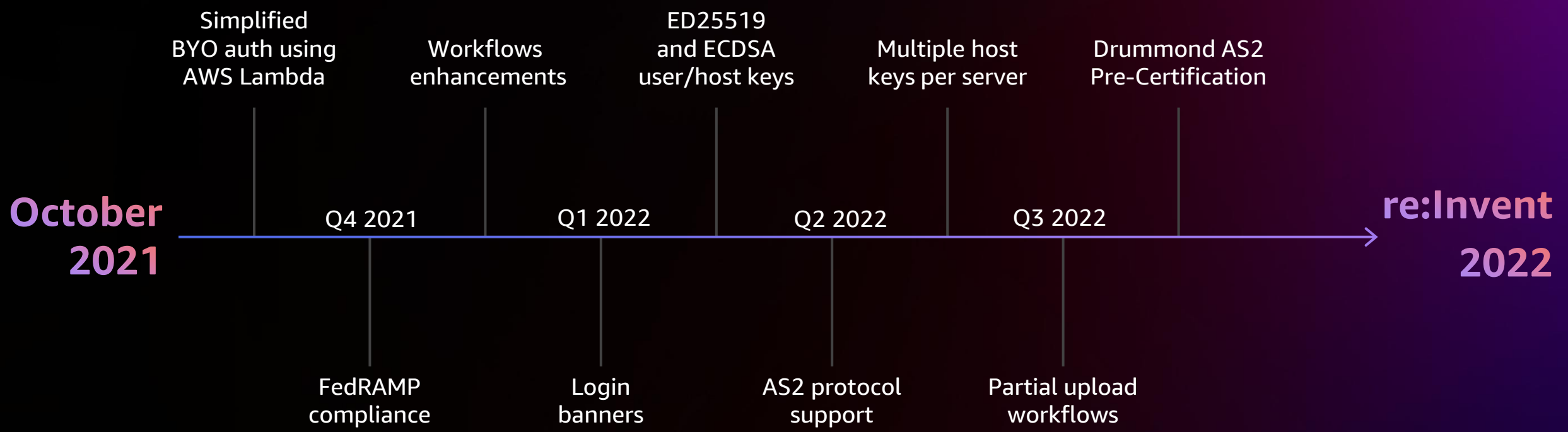
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Migrate without impacting your existing integrations



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New features since last October



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Architecture patterns for SFTP

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Connected businesses rely on file exchanges

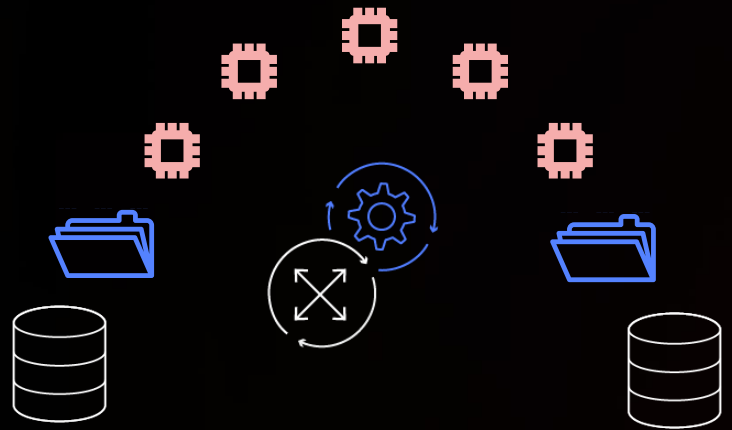




This data can be a valuable source for business insights

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Simplify your managed file transfer workflows with low-code automation



AWS Transfer Family
managed workflows

Reduce time and errors in processing incoming files by automating tasks, like file data format conversions

Externalize common enterprise routines in auto-triggered file upload workflows to scan for malware, compression, PII

Automatically handle errors in **processing files at edge** to ensure applications only receive valid data

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Managed workflow step types

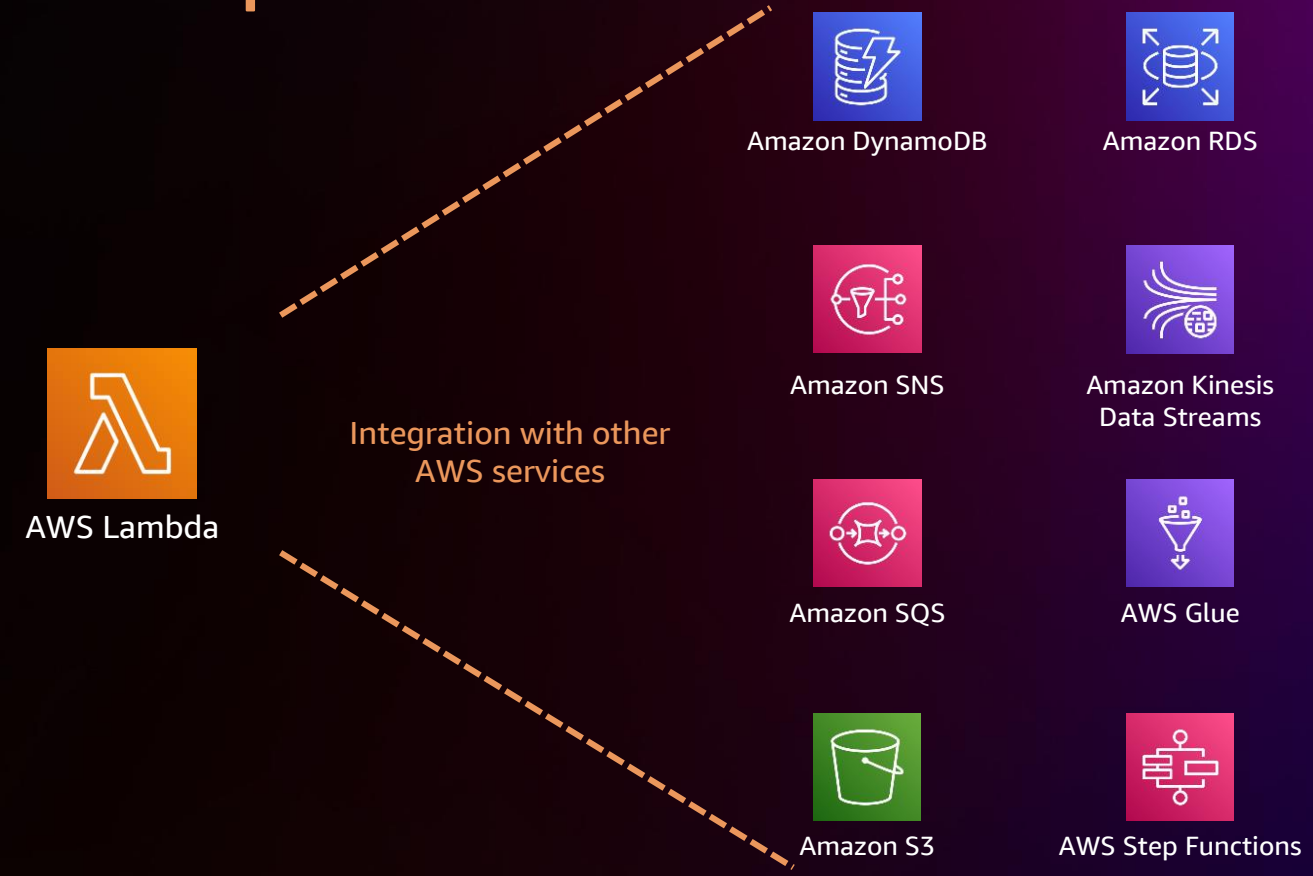
Standard steps

COPY

TAG

DELETE

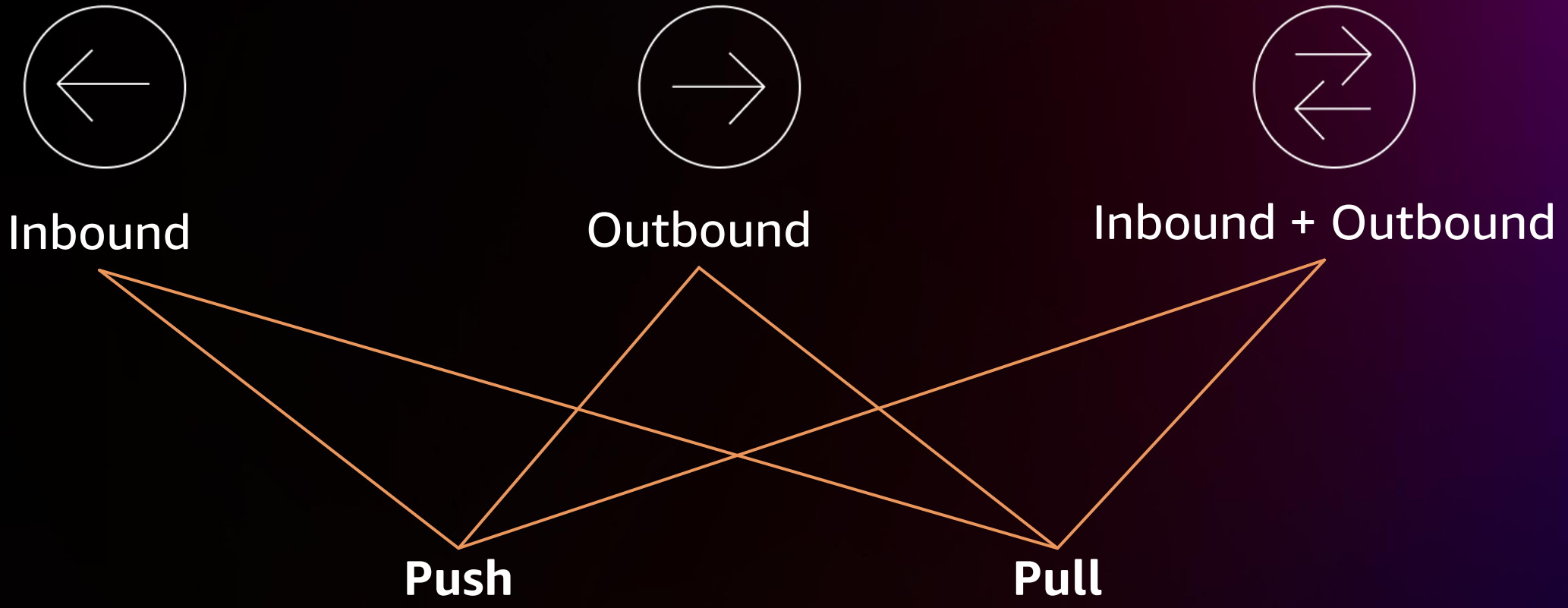
Custom steps



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Data flow in MFT

Direction



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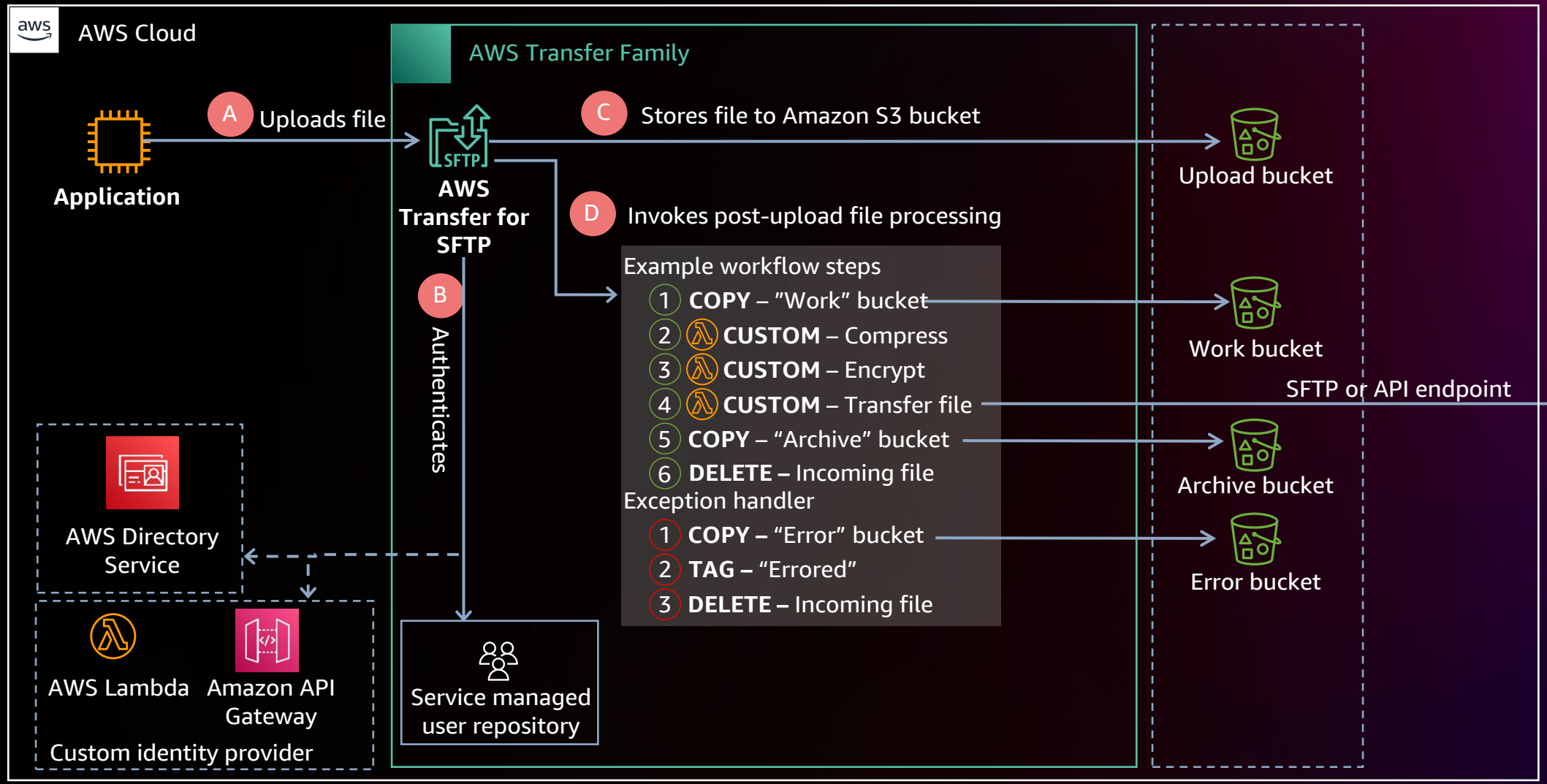
MFT common patterns

Direction	Action	Primary role (Active)	Secondary role (Passive)
Outbound	Push	AWS Transfer Family customer	External entity
Outbound	Pull	External entity	AWS Transfer Family customer
Inbound	Push	External entity	AWS Transfer Family customer
Inbound	Pull	AWS Transfer Family customer	External entity
Outbound + Inbound	Push + Pull	AWS Transfer Family customer	External entity
Inbound + Outbound	Push + Pull	External entity	AWS Transfer Family customer

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Pattern A – Outbound push

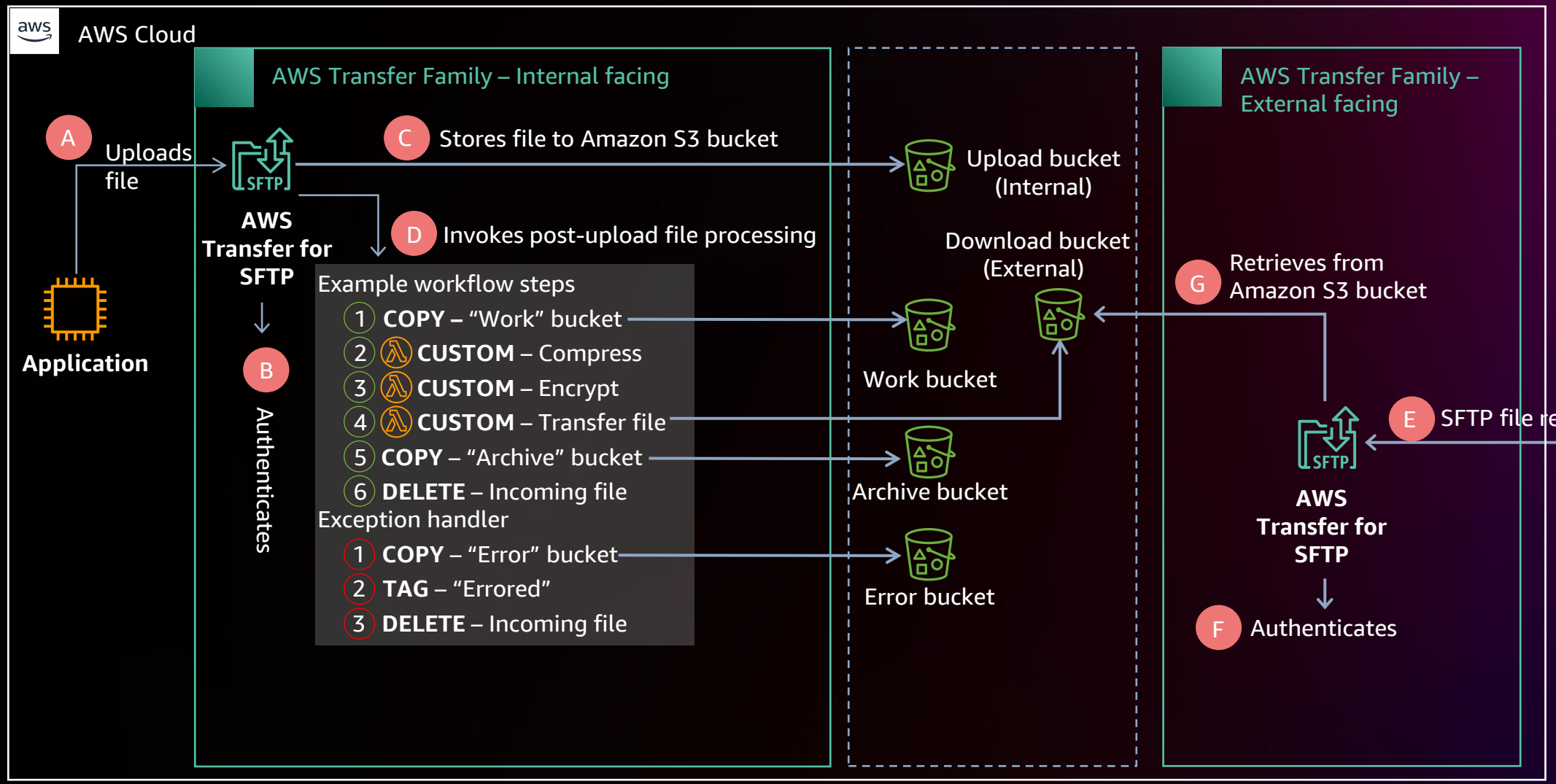
DIRECTION: "OUTBOUND", ACTION: "PUSH"



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Pattern B – Outbound pull

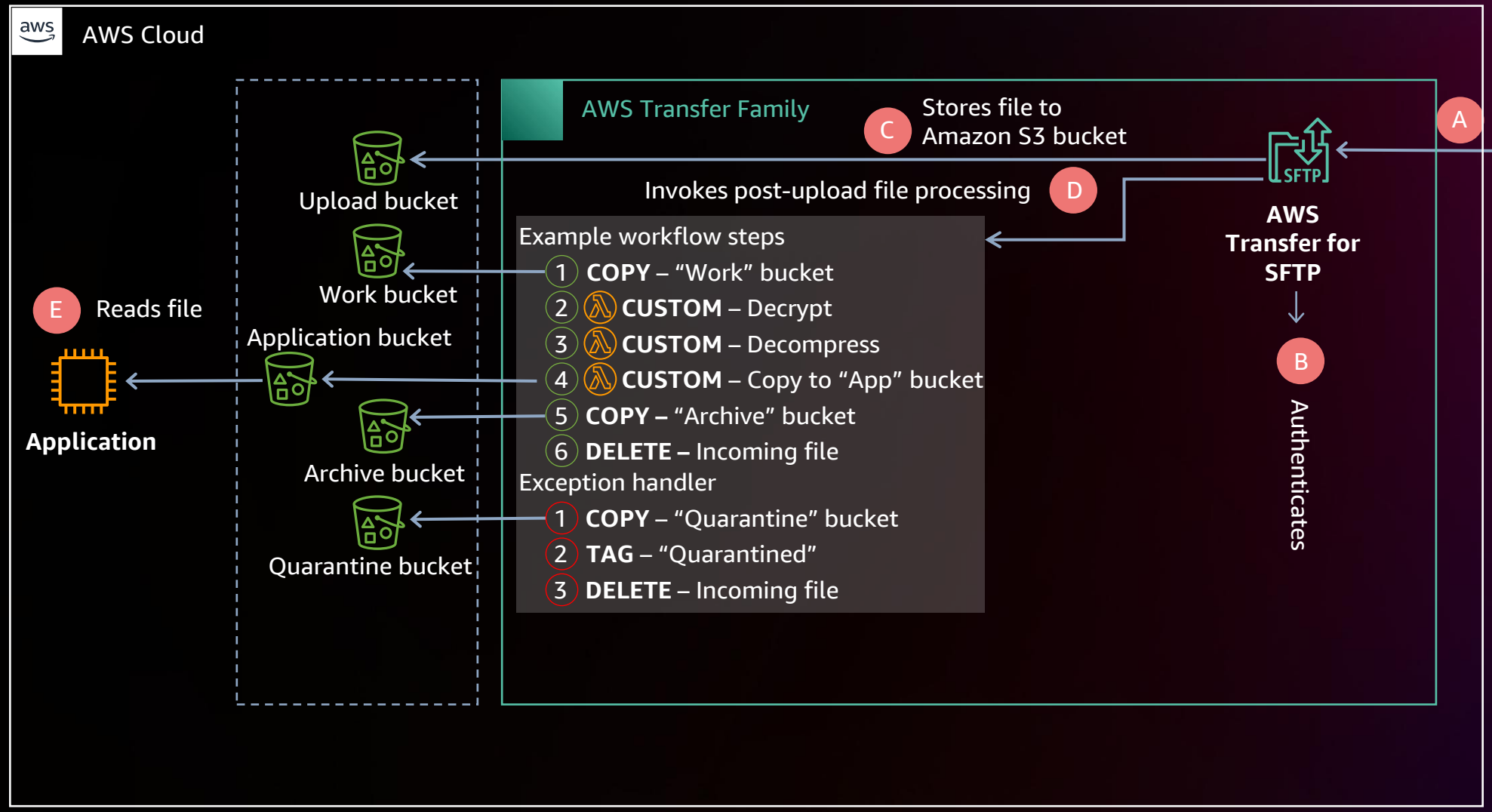
DIRECTION: "OUTBOUND", ACTION: "PULL"



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Pattern C – Inbound push

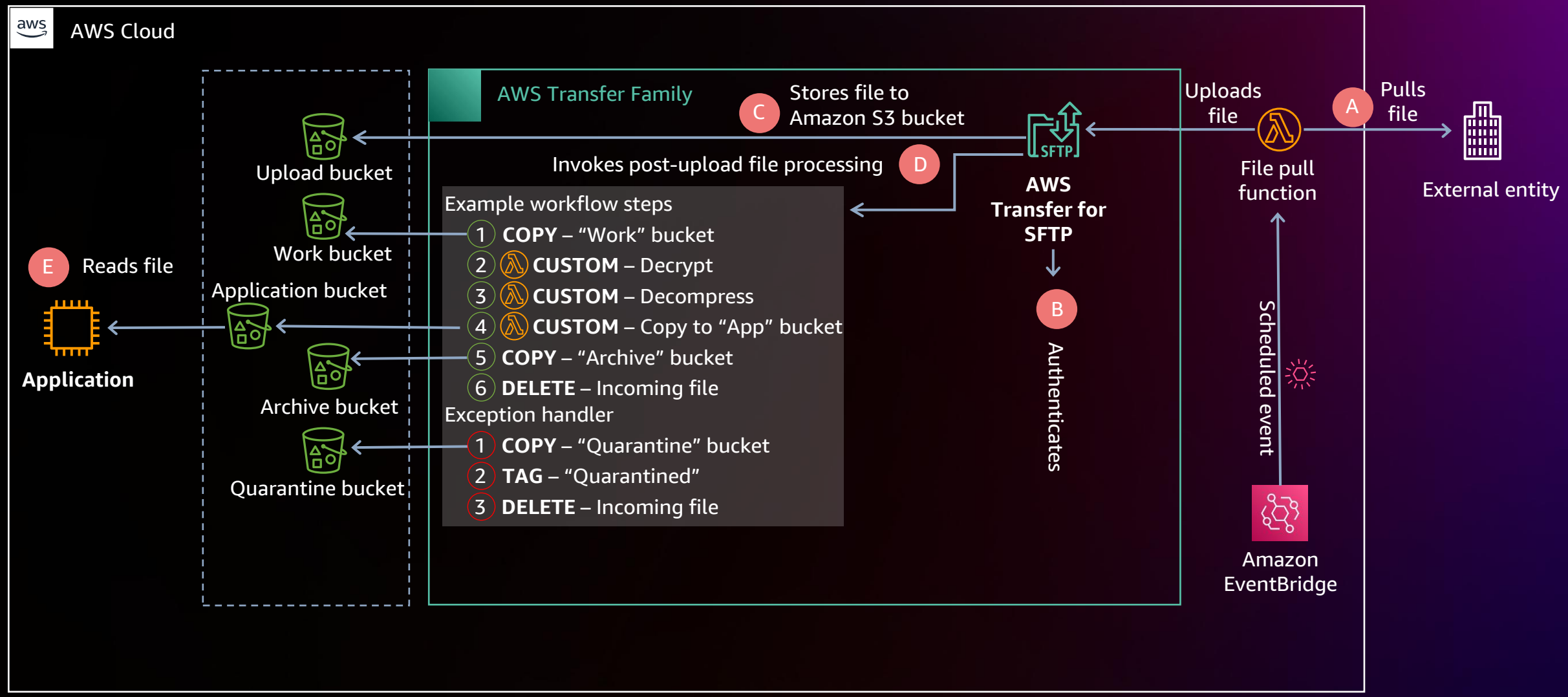
DIRECTION: "INBOUND", ACTION: "PUSH"



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Pattern D – Inbound pull

DIRECTION: "INBOUND", ACTION: "PULL"



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Architecture patterns for AS2

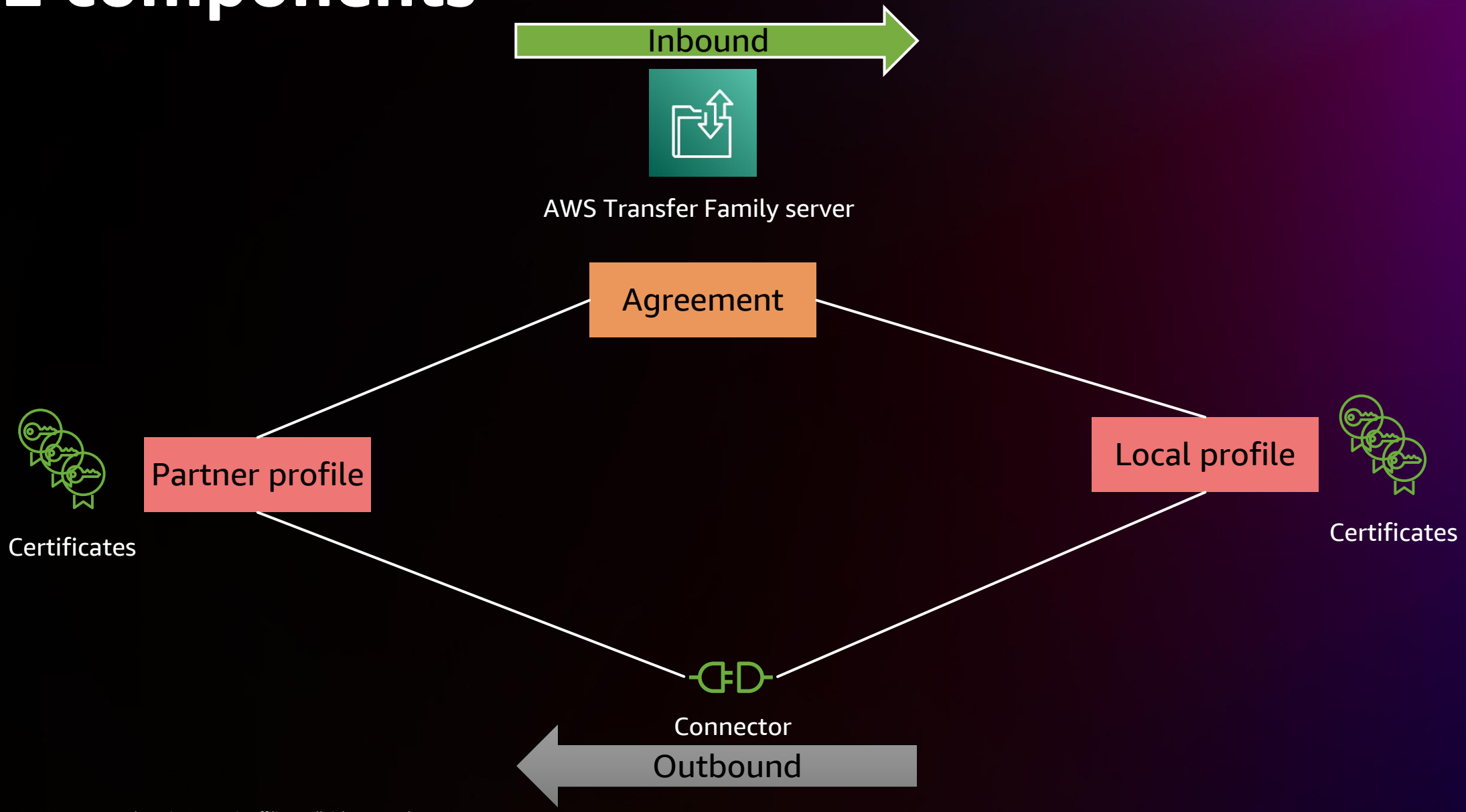
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AS2 primer

. . . is a specification about how to transport structured business-to-business data securely and reliably over the internet

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AS2 components



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AS2 use cases



Supply chain



Logistics



Ecommerce

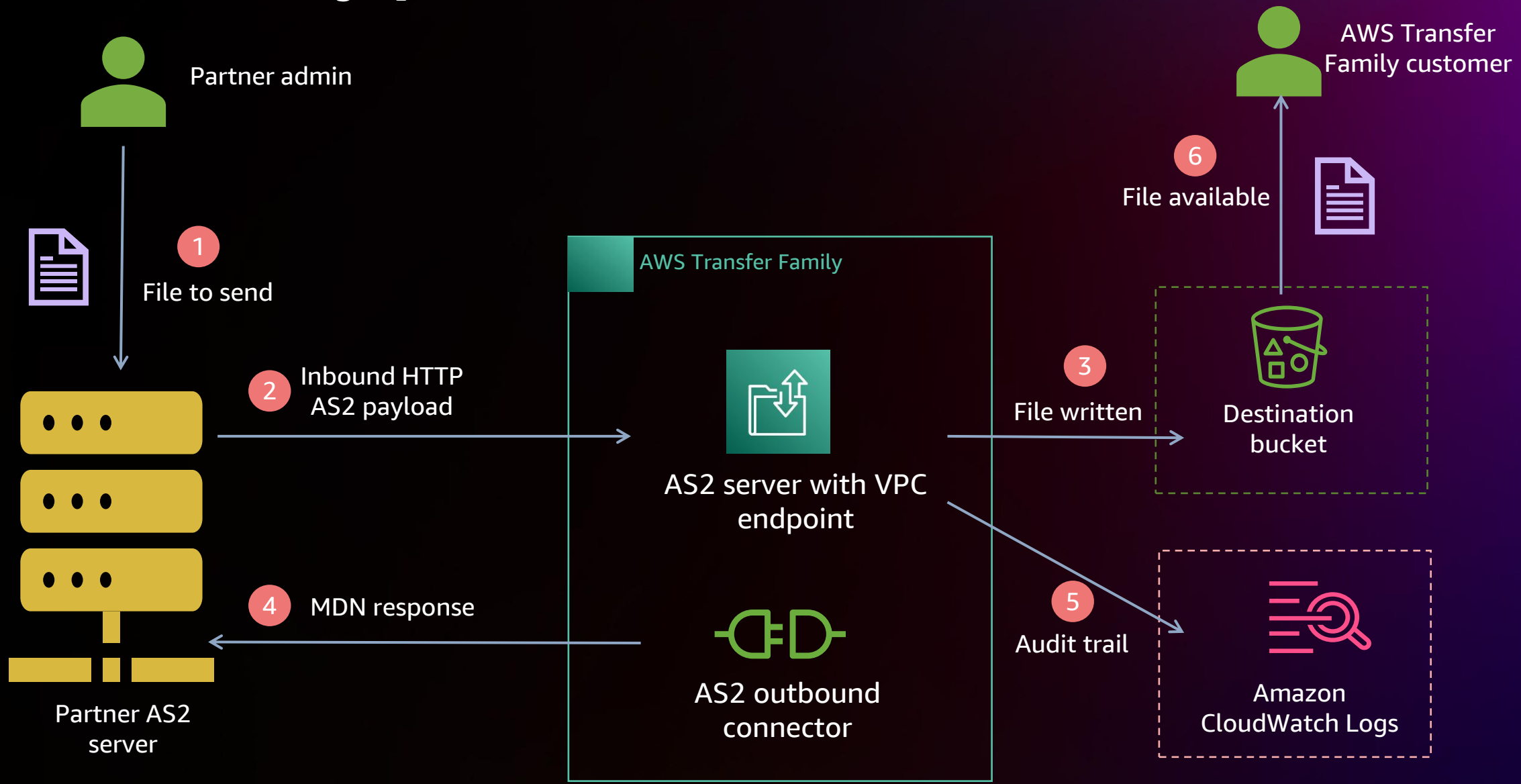


Payment workflows

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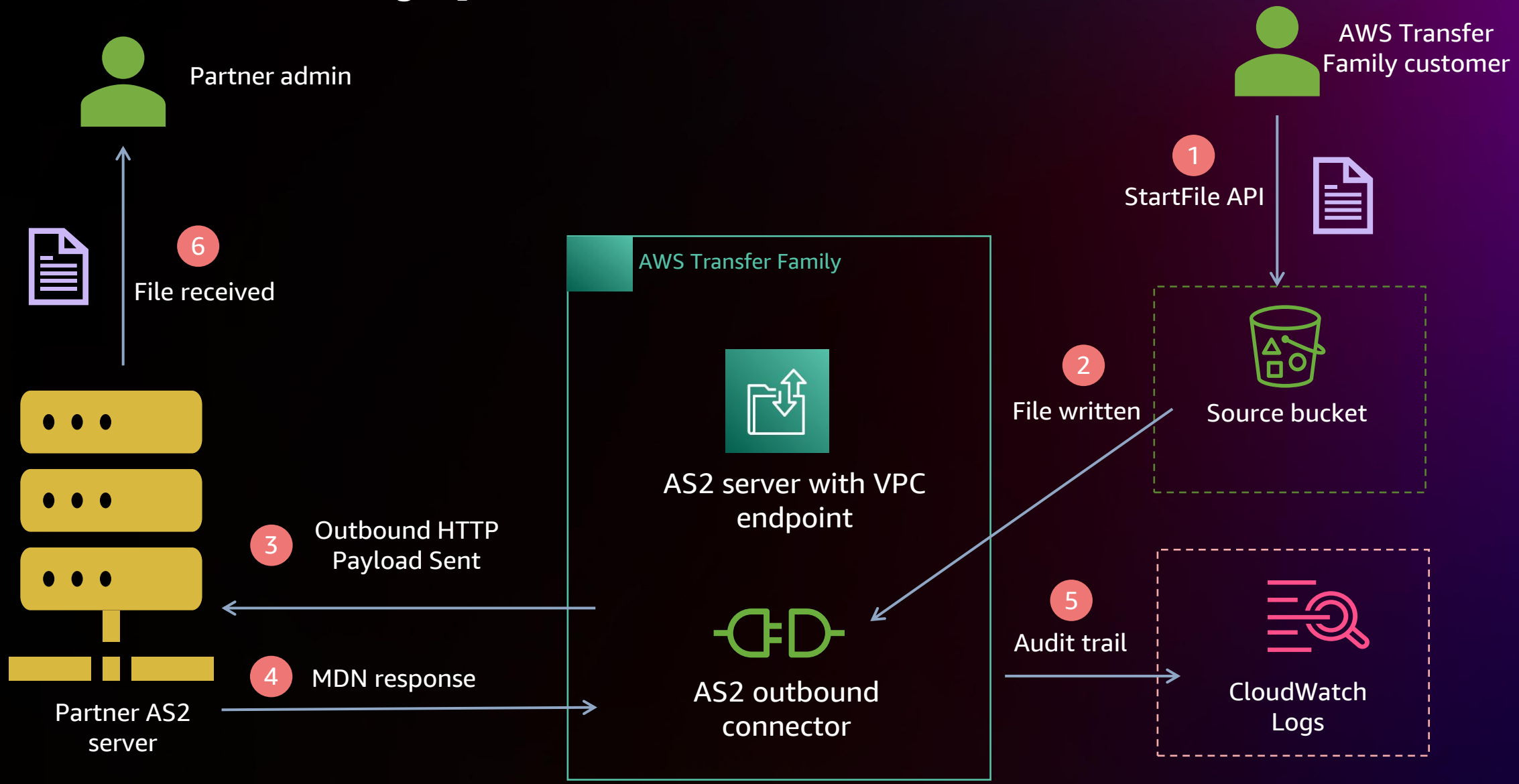
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Inbound-only pattern



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Outbound-only pattern



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