



# Secure and Streamline Your File Transfers with GoAnywhere MFT 5.6

# Introductions

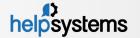




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### Agenda



- Company Introduction
- File Transfer Challenges
- What is Managed File Transfer (MFT) and its benefits
- Introduction to GoAnywhere MFT
- Live demo
- New features in version 5.6
- Questions and comments

Current GoAnywhere customers should contact GoAnywhere Sales for an email invitation to the customer-only webinar: **goanywhere.sales@helpsystems.com** 





### **Company Overview**



- Over 35 years in business
- Focused on security, automation, and operations management
- 550 employees in twenty offices around the world
- Active R&D team for the GoAnywhere solution
- Pride ourselves on excellent customer service
- Almost 99% of GoAnywhere customers renew their maintenance each year
- Member of the PCI Security Standards Council













## HelpSystems Partnerships













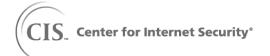


































# Over 10,000 Customers Worldwide



Financial	Insurance	Healthcare	Miscellaneous			
Barclays Capital	AF&L Insurance	Adventist Health Systems	ADP	MN State Lottery		
CGMI (CitiGroup)	Blue Cross BS of MS	Asante Health Systems	AT&T Wireless	Monterey Mushrooms		
COOMEVA	Colombia Ins. Group	Baptist Health Systems	Big 5 Sporting Goods	National Hockey League		
Credit Suisse	Direct General Corp.	CareFusion	Cabela's	Nebraska State Patrol		
Fidelity Investments	KC Life Insurance	Covidien	Carnival Cruise Lines	NEXCOM		
General Motors Financing	Londen Insurance Grp	Delta Dental	Discount Tire	Northwestern College		
HSBC Global Banking	Mendota Ins. Co.	Henry Schein	Disneyland Resort	PGA Tour		
National Bank of Kuwait	Mercury Insurance Grp	McKesson Specialty	GE Aviation	Pizza Hut		
Scotia Bank	MetLife	Northshore Hospital	Hard Rock Casino	Shop Vac Corp.		
Sun National Bank	National Flood Services	Omnicare	John Deere	Smith & Wesson		
Sungard	Service Lloyds Ins.	Southland Benefit Solutions	KOA Campgrounds	UCLA		
TD Bank	The Gray Ins. Co.	St. Barnabas Hospital	Kwik Trip	United Rentals		
Think Bank	United Auto	US Oncology	Military Academy	US Air Force		



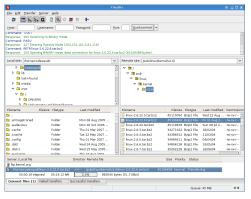
# File Transfer Challenges



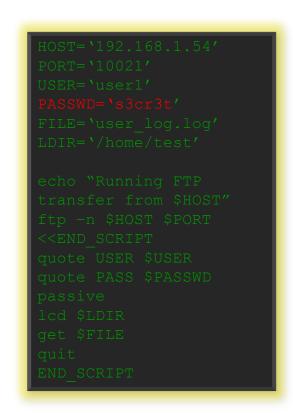




**Unsecure Manual Processes** 



**Unsecure PC Tools** 



**Legacy Scripts** 









# What is Managed File Transfer?

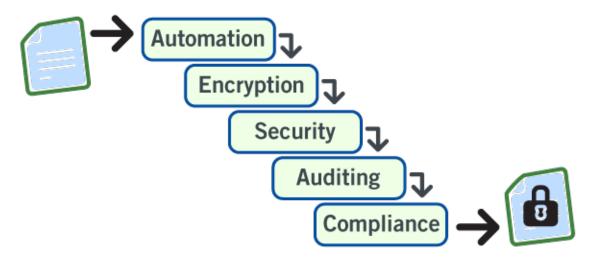


Encompasses all File Transfers – Batch and Ad Hoc, Inbound and Outbound

**File Transfer** = Sharing files with others



**Managed File Transfer** = Automating and Securing file transfers using a centralized enterprise-level approach.





## **GoAnywhere MFT**

### Managed File Transfer Solution



### Access Anywhere



Web Browser, Command Line, API...

- Workflow Automation
- Encryption
- Compression
- Data Translation
- Scheduler
- Folder Monitors

- Inbound and Outbound
- Ad Hoc and Batch
- File Sync and Sharing
- Custom Secure Forms
- Secure Email
- Partner Management



### **Alerts**



**Audit Logs & Reports** 



### **Platforms**



Windows, Linux, IBM i, AIX, Solaris, UNIX, Mac

### **File Services**



SFTP, SCP, FTPS, FTP, AS2, HTTP/S, SMB, Email, WebDAV

### Cloud



Amazon, Azure, Web Services

### **Databases**



SQL Server, MySQL, DB2, Oracle, PostgreSQL, Sybase, Informix...

### **Applications**



Scripts, Programs, Commands, MQ, SNMP, ICAP

### **MFT Agents**



Remote Workflows and File Transfers



# **Enterprise Features**



Multiplatform - Installs to most operating systems including IBM i, Windows, Linux, AIX, UNIX, Amazon, and Azure.

Batch and Ad Hoc - Allows organizations to perform both scheduled batch transfers and user-to-user file sharing.

Auditing - Generates detailed audit logs of all file activity including batch, ad hoc, inbound, and outbound transfers.

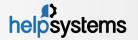
Interface - Provides a browser-based interface for all administration and monitoring. No desktop client is needed.

▶ Inbound Services - Allows inbound connections from trading partners over SFTP, FTP/S, HTTPS, and AS2 (Drummond Certified).

- ► Encryption Protects files at-rest and in-motion with FIPS 140-2 validated AES-256 encryption.
- Key Management Provides integrated tools for creating and managing Open PGP keys, SSH keys, and SSL certificates.
- ▶ Admin Controls Implements role-based administration, security domains, and granular permission controls.



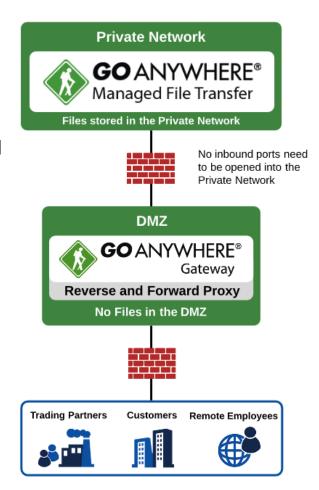




# **Enterprise Features**



- Private Cloud Eliminates the need for public file sharing services like Dropbox, Box, Google Drive, and OneDrive.
- Customer Portal Allows you to provide custom-branded web interfaces for secure file transfers over HTTPS.
- Secure Mail Allows employees to send large or confidential files through secure email links. Includes an Outlook plugin.
- ► Two-Factor Authenticates with user credentials and SAML, RSA SecurID, RADIUS, SSH keys, or X.509 certificates.
- DMZ Gateway Keeps services and files in the private network (out of the DMZ) without requiring inbound ports.
- ▶ **Job Control** Provides extensive job management features including job queues and run priorities.
- File Transfer Acceleration Enables high speed transmission of large files between systems using UDP channels.
- Clustering Provides high availability and load balancing by connecting two or more instances together in a cluster.





### Demo





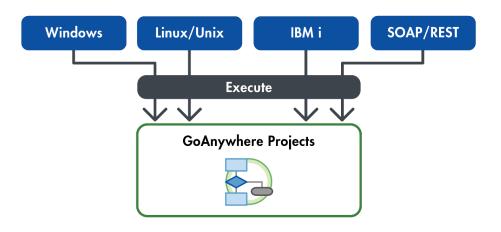


### GoAnywhere MFT

### Commands and APIs



- Run workflows in GoAnywhere using the provided commands and APIs
- Available for Windows, Linux, IBM i (iSeries), and UNIX
- SOAP and REST enabled
- Requests sent over HTTP/s
- Override variables
- Run interactive or batch
- Trap for errors
- Commands and APIs are provided at no additional charge



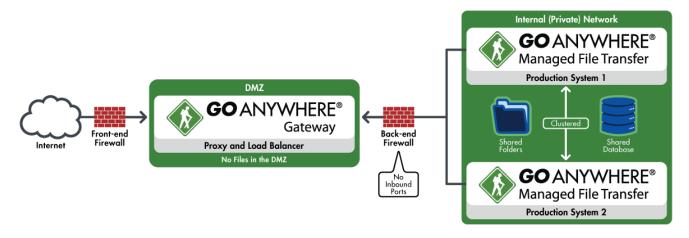




### GoAnywhere MFT

### Clustering





- Two or more installations of GoAnywhere MFT can be in a cluster
- GoAnywhere Gateway can load balance inbound connections
- Project workloads are distributed "horizontally" across multiple systems
- Active-Active = Better high availability for mission critical environments
- All systems can be managed from a central interface
- No 3rd party tools or software are needed



# 5.6 Enhancements Summary



- Key Management System All certificates and keys are managed through database-driven key vaults.
- Agents Interactive maps, offline alerts, and new tasks (email, SFTP, PGP).
- Secure Forms Several new enhancements to improve management, creation, and delivery.
- Project Workflows Project Designer enhancements and Azure Blob Storage support.
- Many miscellaneous updates (screen improvements, fixes...)
- Visit the page below for the complete release notes:
  - https://www.goanywhere.com/support/release-notes/mft





## 5.6 Key Management System



- All certificates and keys can be managed within a Key Vault in the new Key Management System.
- Certificates and keys in the Key Vaults are encrypted and stored in the GoAnywhere database.
- GoAnywhere ships with two Key Vaults: System and Default
- More Key Vaults can be added by the customer.
- The System Key Vault contains the keys and certificates that are used by the GoAnywhere services (HTTPS, FTP, SFTP, FTPS, GoFast).
- All other keys and certificates used for authentication and encryption can be stored in any other Key Vault.



# 5.6 Key Management System (cont.)



- Key Vaults can be assigned to a Domain, ensuring one department's keys cannot be used by another.
- After upgrading to 5.6, your existing keys will be available through the legacy File Based Keys manager.

Key	Management System (	KMS) 💠 Add Key Vault					?
	Key Vault	Description	Certificates	SSH Keys	PGP Keys	Modified By	Modified On
0	Default	The Key Vault used to retrieve a key or certificate if no specific Key Vault was selected in the application.	0	4	2	system	8/3/17 9:22:55 AM
Q.	IT	Used by internal IT team.	0	0	0	root	9/5/17 7:56:16 AM
٥	Primary Trading Partner	This is the Key Vault to use for all the Certificates, PGP, and SSH keys for our primary trading partner. All other keys can be stored in the default key vault.	0	0	0	root	8/30/17 4:00:32 PM
Q.	System	The Key Vault for storing the trusted CA certificates, as well as the private keys/certificates used in the HTTPS, FTPS, SFTP, AS2 and GoFast server modules.	3	4	0	system	8/3/17 9:22:55 AM





# 5.6 Key Management System (cont.)



Certificates and Keys can be created and managed within the Key Vault.



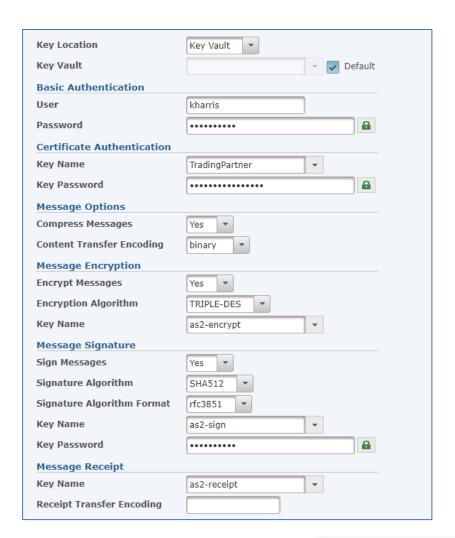




## 5.6 Key Management System (cont.)



- Administrators can choose the Key Location of the keys and certificates.
- Every Domain can specify a Default Key Vault and disable File Based Keys.





# Agents











### 5.6 Agents



- Google Maps integration provides you the ability to manage Agents from an interactive map view.
- Added new Mail Box, SMTP, and SSH Server Resources.
- Several new Agent Project tasks available from an advanced Agent license:
  - Send and Retrieve Email
  - SCP
  - SFTP
  - Execute SSH Command
  - ▶ PGP Decrypt, Encrypt, Sign, and Verify (available in standard license)
- All certificates and keys are managed in the central GoAnywhere Key Management System.



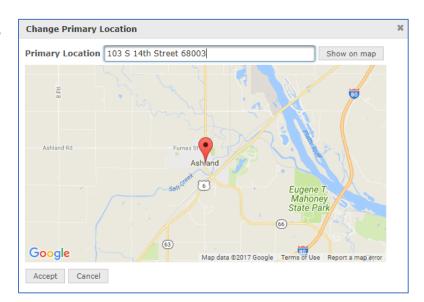


## 5.6 Agents (cont.)





- 1. Specify your Google Maps API Key.
- 2. Specify your Primary Location.

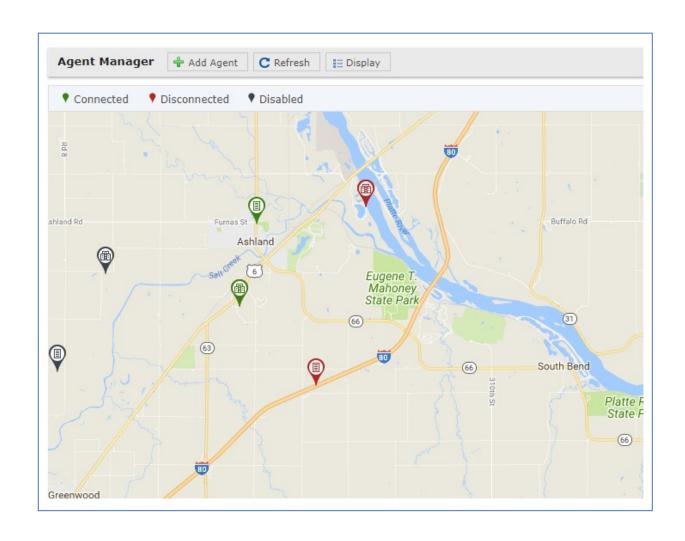




# 5.6 Agents (cont.)

### Agent Manager Map View





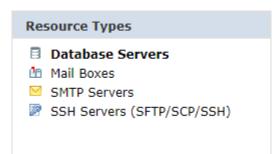


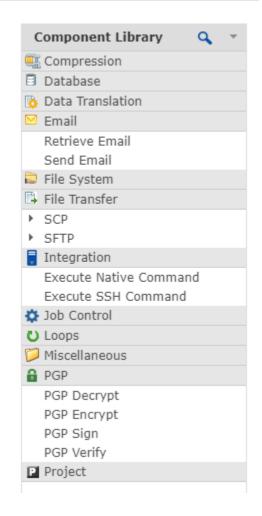


## 5.6 Agents (cont.)



- New Resources
  - Mail Boxes
  - SMTP Servers
  - SSH Servers
- New Advanced Tasks
  - Send and Retrieve Email
  - SCP and SFTP
  - Execute SSH Command
  - PGP Decrypt, Encrypt, Sign, and Verify









### 5.6 Secure Forms



- Secure Forms can now be exported, imported, or promoted between GoAnywhere systems.
- Forms can now have hidden fields, which allow you to pass information to projects that is not visible to users.
- Form fields can be prepopulated using URL query parameters or custom Javascript.
- Multiple File Upload fields can be added to a Secure Form.
- A new Date component makes it easier for users to specify correctly formatted dates.

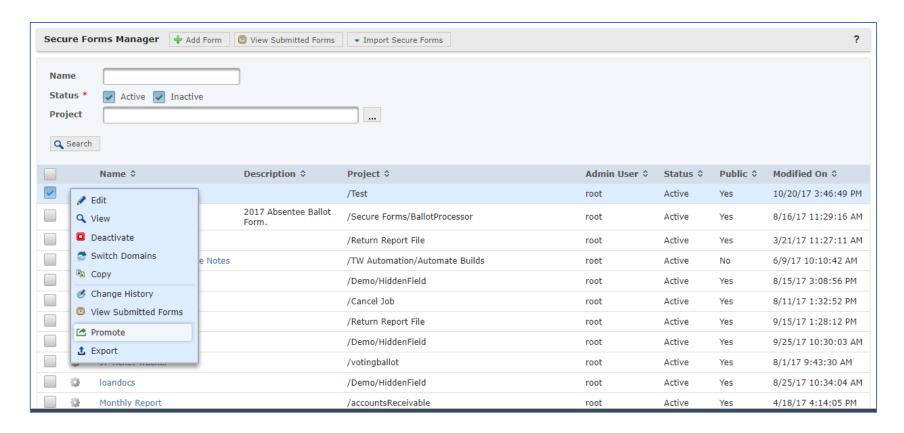


# 5.6 Secure Forms (cont.)





Can also automate these functions from GACMD and Web Services





# 5.6 Secure Forms (cont.)



New Hidden Field and Date Components (Designer)

Configure Form 🗸 :	Save X Cancel			?
General Project A	ccess Web Users Web Grou	ps Components		
Components	Composite Description of	Configure Hidden		
▼ Input	Corporate Document eD	envery	Variable Name *	BusinessType
Checkbox Date	Articles of Incorporation - Domes	tic Corporation	Required	<b>✓</b>
Dropdown	Important: The information I	pelow MUST match the information in the uploaded docum	Default Value	small
File Upload Hidden	Name of Entity *	Enter the name of your corporation		
Multi-Checkbox Number	Authorized Capital Stock: *	Enter a Whole Dollar Amount		
Radio Button	Period of Duration:	Perpetual		
Text Area Text Field	Effective Date:	Effective When Filed    Delayed Effective Date		
<ul><li>▼ Output</li><li>Bulleted List</li></ul>	Filing Date: *			
Output Text	*Hidden Field: BusinessType			
	<u>Submit Document</u>			
	(Single .PDF file only - electronic	filings do not need to be submitted in duplicate)		
	Choose File:	Drop files here, or browse to attach files		
	For filing assistance, contact the	Secretary of State's Business Division office at 999.999.9999 (M $$		
	4	<b>→</b>		



# 5.6 Secure Forms (cont.)



### **Customer View of New Date Component**

Corporate Document eDelivery   ✓ Submit									
Articles of Incorporation - Domestic Corporation									
Important: The information below MUST match the information in the uploaded document or your filing may be rejected.									
Enter the name of your corporation									
Enter a Whole Dollar Amount									
Perpetual Corporation Will Expire									
Effective When Filed    Delayed Effective Date									
Filing Date: *									
O November 2017 O				201	7	0			
S	М	Т	w	T	F	S	in duplicate)		
			1	2	3	4	4		
5	6	7	8	9	10	11	to attach files		
12	13	14	15	16	17	18			
19 26	20 27	21 28	22 29	23 30	24	25	ion office at 999.999.9999 (M-F, 8am to 5pm CST).		
	Enter Enter  P  S  5  12  19	Corporation  elow MUS  Enter the  Enter a W  Perpet  Effecti  No  S M  5 6 12 13 19 20	Corporation  elow MUST material  Enter the name  Enter a Whole  Perpetual  Effective W  Noven  Moven  Moven	Corporation  elow MUST match  Enter the name of y  Enter a Whole Dolla  Perpetual  Perpetual  November  S M T W  1 5 6 7 8 12 13 14 15 19 20 21 22	Corporation  Enter the name of your of the inter the name of your of the inter a Whole Dollar Am  Perpetual Corporation  Effective When Filed  November 2013  S M T W T  1 2  5 6 7 8 9  12 13 14 15 16  19 20 21 22 23	Corporation  Enter the name of your corporation  Enter a Whole Dollar Amount  Perpetual Corporation  Effective When Filed  November 2017  S M T W T F  1 2 3  5 6 7 8 9 10  12 13 14 15 16 17  19 20 21 22 23 24	Corporation  Enter the name of your corporation  Enter a Whole Dollar Amount  Perpetual Corporation Wi  Effective When Filed Dela  November 2017  S M T W T F S  1 2 3 4  5 6 7 8 9 10 11  12 13 14 15 16 17 18  19 20 21 22 23 24 25		







- Added the ability to specify NFS/UNC and other native file paths on Network Shares Resource.
- Added a new Azure Blob Storage Resource.
- You can now search for Project Templates by typing part of the template name.
- The component library has a new search filter to quickly find tasks.
- Task Elements are now selectable from the component library.
- Added new Comment attribute to every Project element such as Tasks, Elements, Loops, Modules, etc.

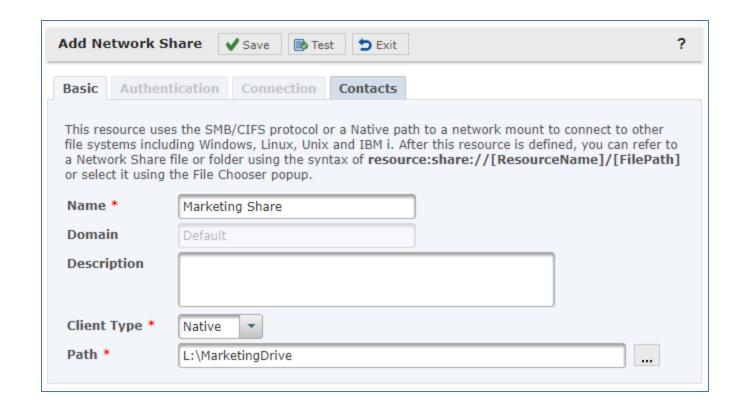


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# 5.6 Project Workflows (cont.)



Network Share Resource with Native File System Mount



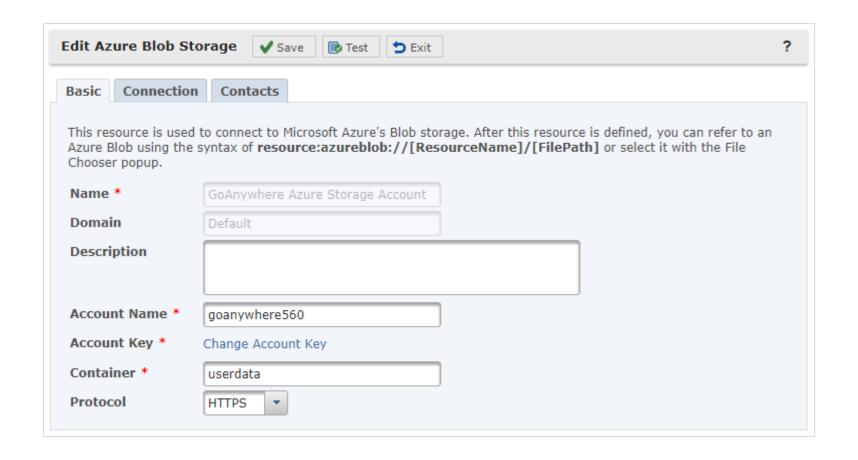


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# 5.6 Project Workflows (cont.)



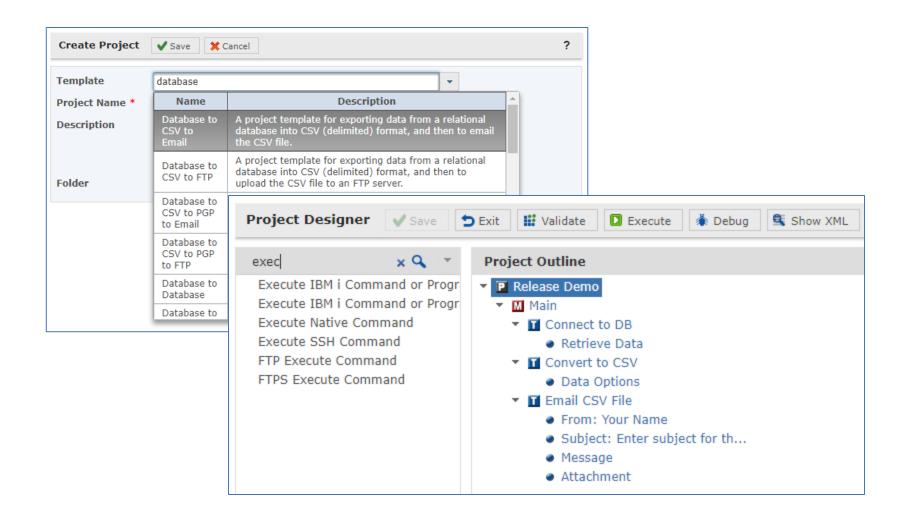
### Azure Blob Storage Resource





### **Searching for Templates and Tasks**

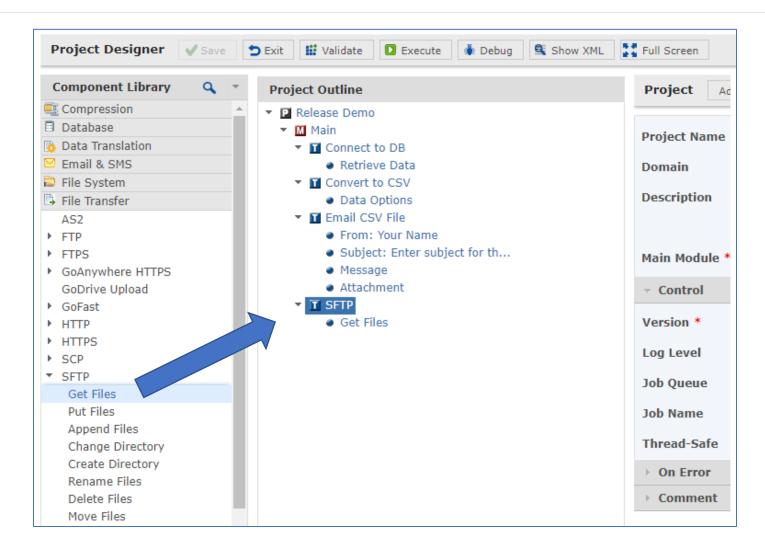








### Task Elements are Selectable from the Component Library







New Comment Attribute for Every Task and Element

SFTP Add T Edit T	?
Label  SFTP Server   ✓ Create	
→ Advanced	
> SFTP Server	
→ Control	
> On Error	
▼ Comment	
Comment	



# Summary





Server-to-Server

PLUS

Person-to-Person



### **GoAnywhere MFT**

### **Installation Requirements**



### Linux (32-bit and 64-bit):

Distributions
 Disk space
 Red Hat, SUSE, Ubuntu, CentOS (not inclusive)
 375 MB per product (not including user data)

- Memory 512 MB minimum per product

### Windows (32-bit and 64-bit):

- Operating System Windows 2016, 2012 R2, 2008 R2, 2003, 2000, XP, Vista, 7, 10

- Disk space 375 MB per product (not including user data)

- Memory 512 MB minimum per product

### IBM i (iSeries):

- Operating System V7R1 or higher

- Disk space requirements 275 MB per product (not including user data)

- Memory requirements 512 MB minimum per product

- JRE 1.7 or later

### UNIX / AIX / Solaris / HP-UX:

- Disk space requirements 250 MB per product (not including user data)

- Memory requirements 512 MB minimum per product

- JRE 1.7 or later

### **Virtualized Environments:**













# Thank you for joining us!





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