



GO ANYWHERE[®]
Managed File Transfer

What's New in GoAnywhere MFT 5.6?

Introductions



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Agenda

- ▶ Introduction to GoAnywhere MFT 5.6
- ▶ Overview of new features
- ▶ Live demo
- ▶ How to upgrade
- ▶ Questions and comments

Introduction



- ▶ 5.6.0 (beta version) released on November 16th, 2017.
- ▶ 5.6.1 (production version) now available.
- ▶ Existing customers that are current on maintenance can upgrade at no charge.

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>

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.




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
 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
 IT	Used by internal IT team.	0	0	0	root	9/5/17 7:56:16 AM
 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
 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

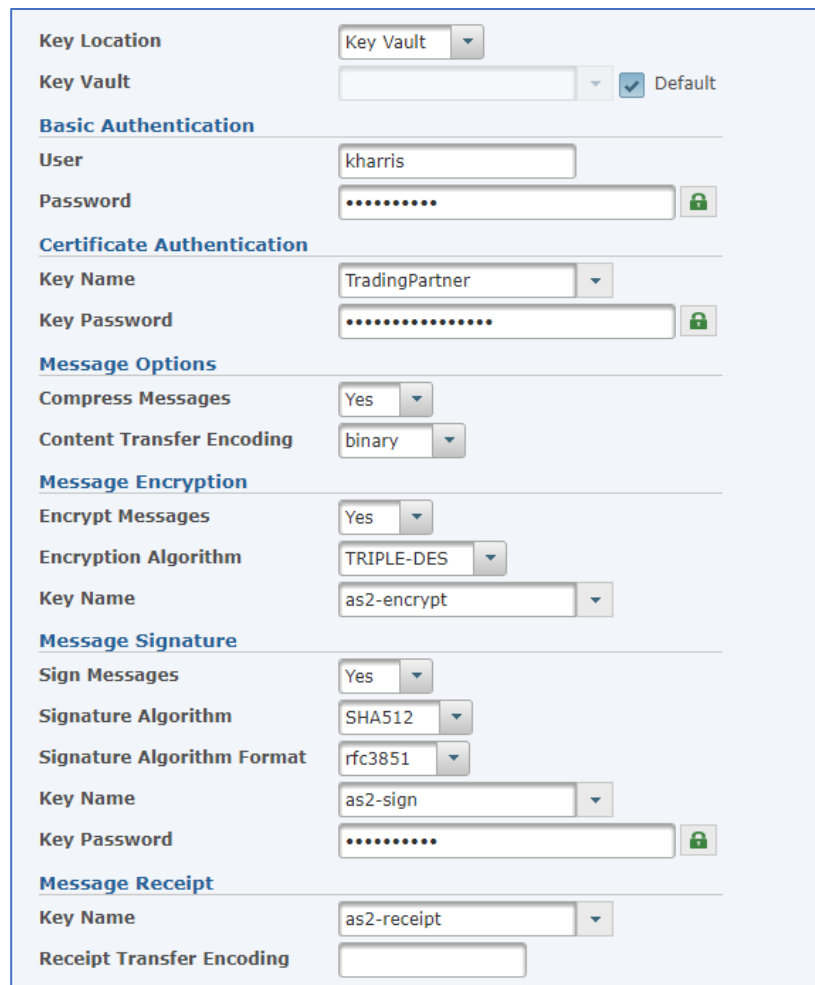
Key Management System (cont.)

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

Certificates + Add Certificate ↓ Import ↶ Back ?								
Key Vault System								
Filter By <input type="text" value="Name"/> More Filters ▾								
<input type="checkbox"/>	Name ↕	Description	Subject ↕	Issuer ↕	Key Type ↕	Expires On ↕	Created By ↕	Created On ↕
<input type="checkbox"/>	 GHTTSPS	For the GoAnywhere HTTPS Service	www.goanywhere.com	www.goanywhere.com	Key Pair	10/24/20 12:00:00 AM	root	10/24/17 8:23:04 AM
<input type="checkbox"/>	 GoAnywhere		www.goanywhere.com	www.goanywhere.com	Key Pair	10/24/20 12:00:00 AM	root	10/24/17 1:55:20 PM
<input type="checkbox"/>	 SAML		SAML	SAML	Key Pair	10/24/20 12:00:00 AM	root	10/24/17 9:46:49 AM
Showing 1 - 3 of 3 1 Rows 20 ▾ Columns								

Key Management System (cont.)

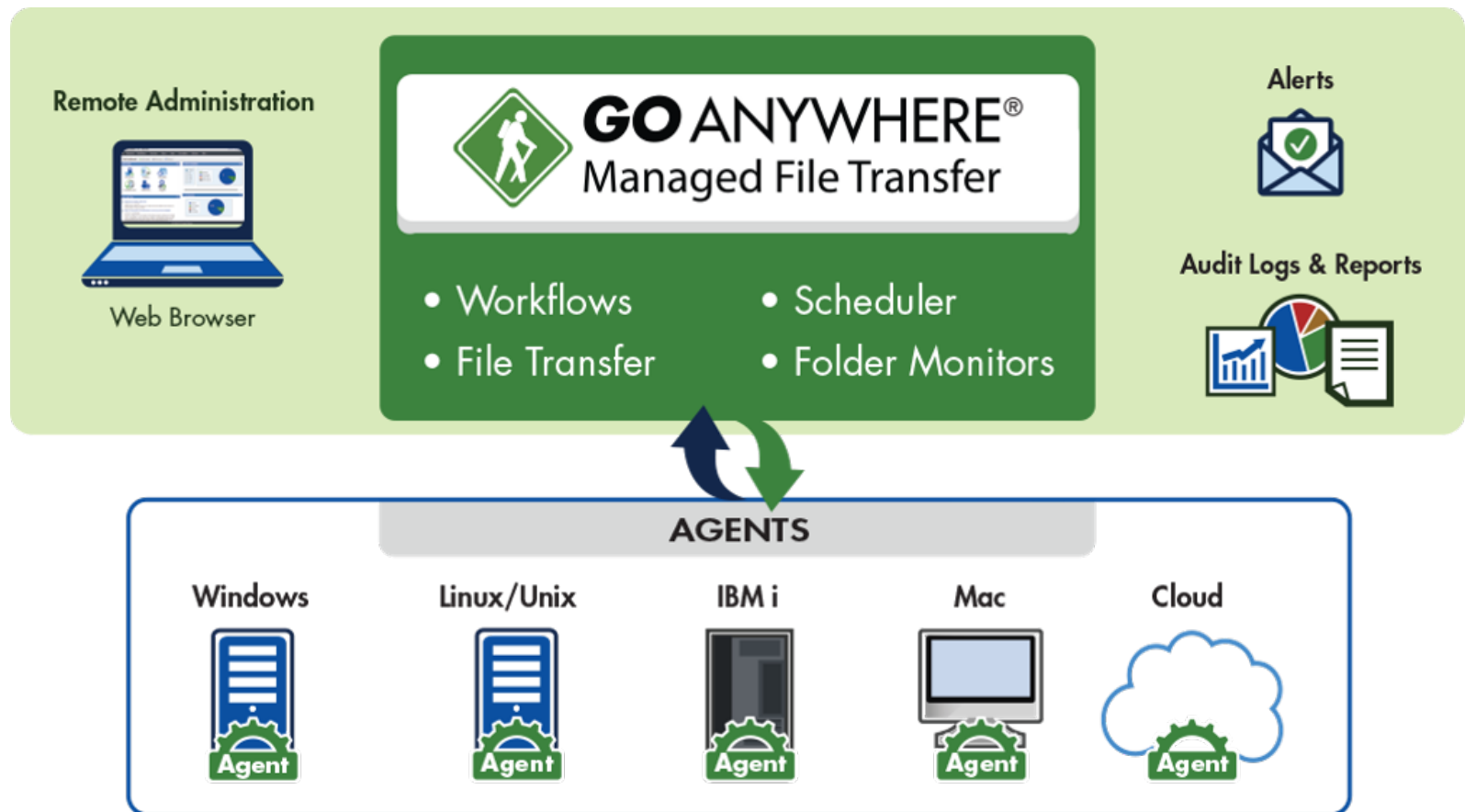
- ▶ Administrators can choose the Key Location of the keys and certificates.
- ▶ Every Domain can specify a Default Key Vault and disable File Based Keys.



The screenshot displays the configuration interface for the Key Management System, organized into several sections:

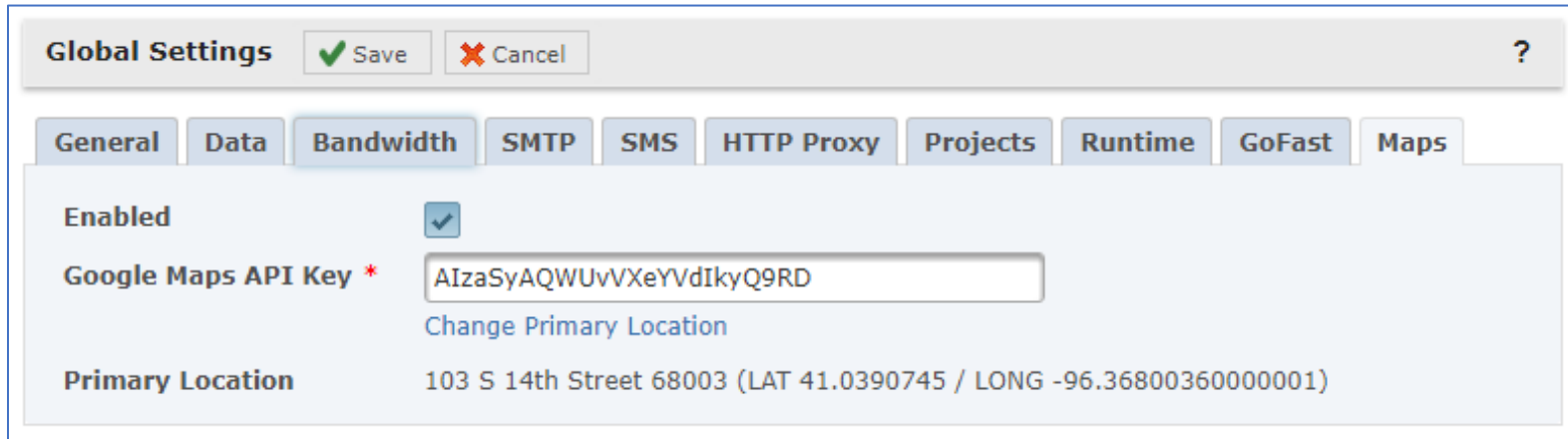
- Key Location:** Includes a dropdown for "Key Location" (set to "Key Vault") and a "Key Vault" field with a "Default" checkbox.
- Basic Authentication:** Includes "User" (text field: kharris) and "Password" (password field).
- Certificate Authentication:** Includes "Key Name" (dropdown: TradingPartner) and "Key Password" (password field).
- Message Options:** Includes "Compress Messages" (Yes) and "Content Transfer Encoding" (binary).
- Message Encryption:** Includes "Encrypt Messages" (Yes), "Encryption Algorithm" (TRIPLE-DES), and "Key Name" (as2-encrypt).
- Message Signature:** Includes "Sign Messages" (Yes), "Signature Algorithm" (SHA512), "Signature Algorithm Format" (rfc3851), "Key Name" (as2-sign), and "Key Password" (password field).
- Message Receipt:** Includes "Key Name" (as2-receipt) and "Receipt Transfer Encoding" (empty field).

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.

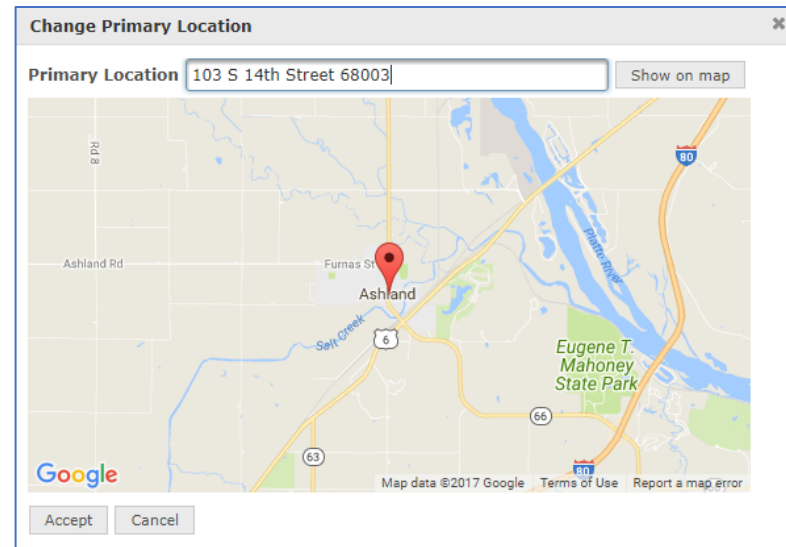
Agents (cont.)



The Global Settings dialog box has a title bar with 'Global Settings', 'Save' (green checkmark icon), 'Cancel' (red X icon), and a help icon (?). Below the title bar are tabs for 'General', 'Data', 'Bandwidth', 'SMTP', 'SMS', 'HTTP Proxy', 'Projects', 'Runtime', 'GoFast', and 'Maps'. The 'Maps' tab is selected. Inside the 'Maps' tab, there is a section with the following fields:

- Enabled**: A checkbox that is checked.
- Google Maps API Key ***: A text input field containing the key 'AIzaSyAQWUvVXeYVdIkyQ9RD'. Below the input field is a blue link that says 'Change Primary Location'.
- Primary Location**: A text input field containing the address '103 S 14th Street 68003 (LAT 41.0390745 / LONG -96.36800360000001)'.

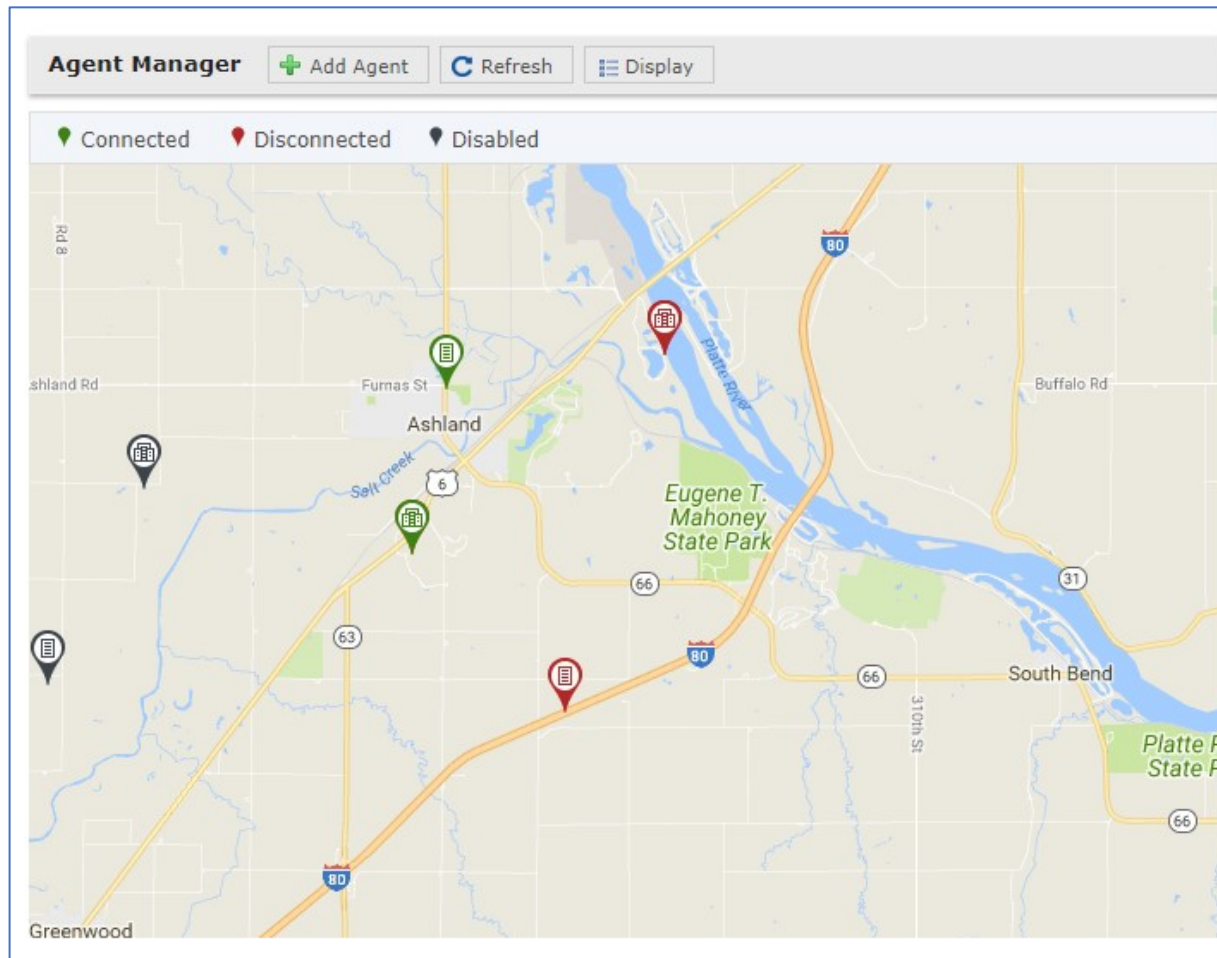
1. Specify your Google Maps API Key.
2. Specify your Primary Location.



The 'Change Primary Location' dialog box has a title bar with the text 'Change Primary Location' and a close icon (X). It contains a text input field for 'Primary Location' with the value '103 S 14th Street 68003' and a 'Show on map' button. Below the input field is a Google Map showing the location of Ashland, Oregon, with a red pin. The map includes labels for 'Ashland', 'Furnas St', 'Salt Creek', 'Eugene T. Mahoney State Park', and 'Map data ©2017 Google'. At the bottom of the dialog are 'Accept' and 'Cancel' buttons.

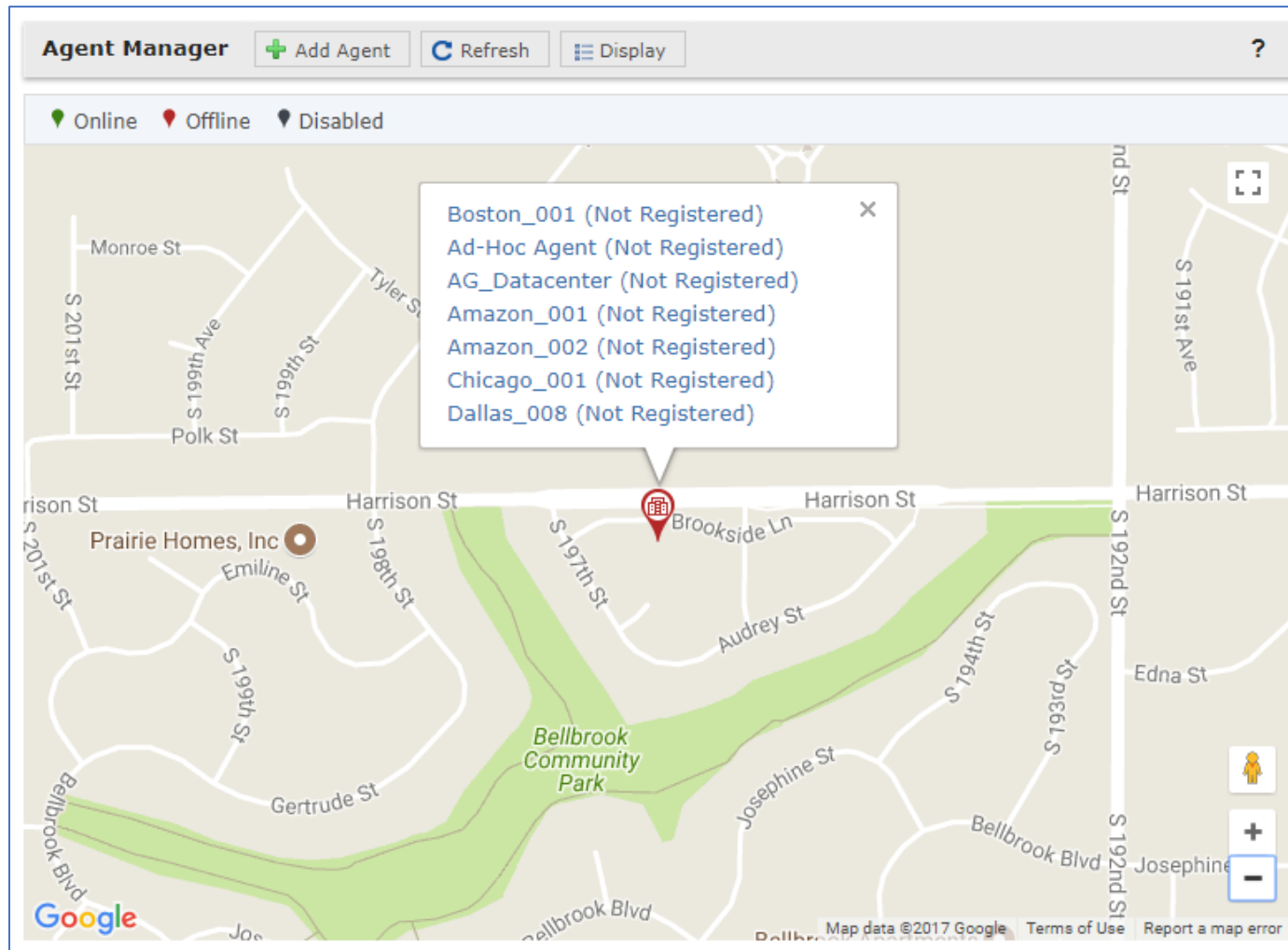
Agents (cont.)

Agent Manager Map View



Agents (cont.)

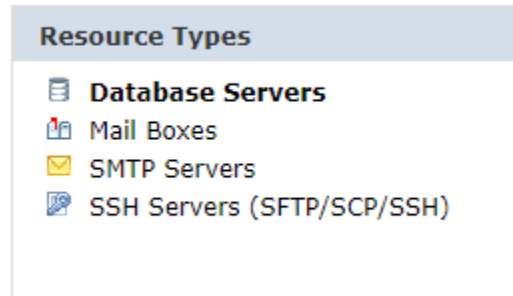
Agent Manager – Map View



Agents (cont.)

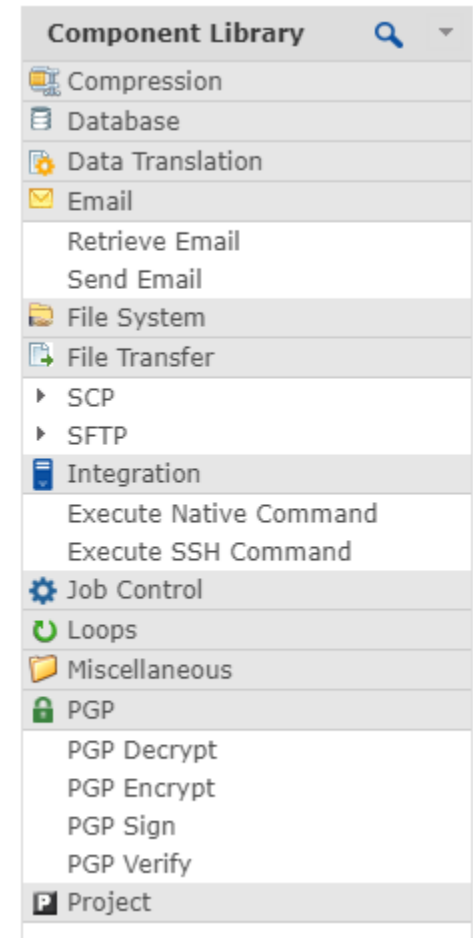
▶ New Resources

- ▶ 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



- ▶ 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.

Secure Forms (cont.)

Promote, Export, Import Secure Forms



- ▶ You can also automate these functions from GACMD and Web Services

Secure Forms Manager [+ Add Form](#) [View Submitted Forms](#) [Import Secure Forms](#) ?

Name

Status * ☒ Active ☒ Inactive

Project ...

Search

<input type="checkbox"/>	Name ↕	Description ↕	Project ↕	Admin User ↕	Status ↕	Public ↕	Modified On ↕
<input checked="" type="checkbox"/>			/Test	root	Active	Yes	10/20/17 3:46:49 PM
<input type="checkbox"/>		2017 Absentee Ballot Form.	/Secure Forms/BallotProcessor	root	Active	Yes	8/16/17 11:29:16 AM
<input type="checkbox"/>			/Return Report File	root	Active	Yes	3/21/17 11:27:11 AM
<input type="checkbox"/>		e Notes	/TW Automation/Automate Builds	root	Active	No	6/9/17 10:10:42 AM
<input type="checkbox"/>			/Demo/HiddenField	root	Active	Yes	8/15/17 3:08:56 PM
<input type="checkbox"/>			/Cancel Job	root	Active	Yes	8/11/17 1:32:52 PM
<input type="checkbox"/>			/Return Report File	root	Active	Yes	9/15/17 1:28:12 PM
<input type="checkbox"/>			/Demo/HiddenField	root	Active	Yes	9/25/17 10:30:03 AM
<input type="checkbox"/>			/votingballot	root	Active	Yes	8/1/17 9:43:30 AM
<input type="checkbox"/>	loandocs		/Demo/HiddenField	root	Active	Yes	8/25/17 10:34:04 AM
<input type="checkbox"/>	Monthly Report		/accountsReceivable	root	Active	Yes	4/18/17 4:14:05 PM

- Edit
- View
- Deactivate
- Switch Domains
- Copy
- Change History
- View Submitted Forms
- Promote
- Export

Secure Forms (cont.)

New Hidden Field and Date Components (Designer)

Configure Form ?

General **Project** **Access** **Web Users** **Web Groups** **Components**

Components

- Input
 - Checkbox
 - Date
 - Dropdown
 - File Upload
 - Hidden
 - Multi-Checkbox
 - Number
 - Radio Button
 - Text Area
 - Text Field
- Output
 - Bulleted List
 - Output Text

Corporate Document eDelivery

Articles of Incorporation - Domestic Corporation

Important: The information below MUST match the information in the uploaded document

Name of Entity *

Authorized Capital Stock: *

Period of Duration: ☒ Perpetual ☐ Corporation Will Expire

Effective Date: ☒ Effective When Filed ☐ Delayed Effective Date

Filing Date: *

**Hidden Field: BusinessType*

Submit Document

(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

Configure Hidden

Variable Name *

Required ☒

Default Value

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.

Name of Entity *

Authorized Capital Stock: *

Period of Duration: ☒ Perpetual ☐ Corporation Will Expire

Effective Date: ☒ Effective When Filed ☐ Delayed Effective Date

Filing Date: *

Submit Document

(Single .PDF file only - electronic)

Choose File:

For filing assistance, contact the

ion office at 999.999.9999 (M-F, 8am to 5pm CST).

[to attach files](#)

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
26	27	28	29	30		

Project Workflows



- ▶ 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.

Project Workflows (cont.)

Network Share Resource with Native File System Mount

Add Network Share ✓ Save 📄 Test ↶ Exit ?

Basic **Authentication** **Connection** **Contacts**

This resource uses the SMB/CIFS protocol or a Native path to a network mount to connect to other file systems including Windows, Linux, Unix and IBM i. After this resource is defined, you can refer to a Network Share file or folder using the syntax of **resource:share://[ResourceName]/[FilePath]** or select it using the File Chooser popup.

Name *

Domain

Description

Client Type * ▼

Path * ...

Project Workflows (cont.)

Azure Blob Storage Resource

Edit Azure Blob Storage ✓ Save 📄 Test ↶ Exit ?

Basic **Connection** **Contacts**

This resource is used to connect to Microsoft Azure's Blob storage. After this resource is defined, you can refer to an Azure Blob using the syntax of **resource:azureblob://[ResourceName]/[FilePath]** or select it with the File Chooser popup.

Name *

Domain

Description

Account Name *

Account Key * [Change Account Key](#)

Container *

Protocol ▼

Project Workflows

Searching for Templates and Tasks

Create Project

Save

Cancel

?

Template

Project Name *

Description

Folder

database

Name	Description
Database to CSV to Email	A project template for exporting data from a relational database into CSV (delimited) format, and then to email the CSV file.
Database to CSV to FTP	A project template for exporting data from a relational database into CSV (delimited) format, and then to upload the CSV file to an FTP server.
Database to CSV to PGP to Email	
Database to CSV to PGP to FTP	
Database to Database	
Database to	

Project Designer

Save

Exit

Validate

Execute

Debug

Show XML

exec

Execute IBM i Command or Progr

Execute IBM i Command or Progr

Execute Native Command

Execute SSH Command

FTP Execute Command

FTPS Execute Command

Project Outline

Release Demo

Main

Connect to DB

Retrieve Data

Convert to CSV

Data Options

Email CSV File

From: Your Name

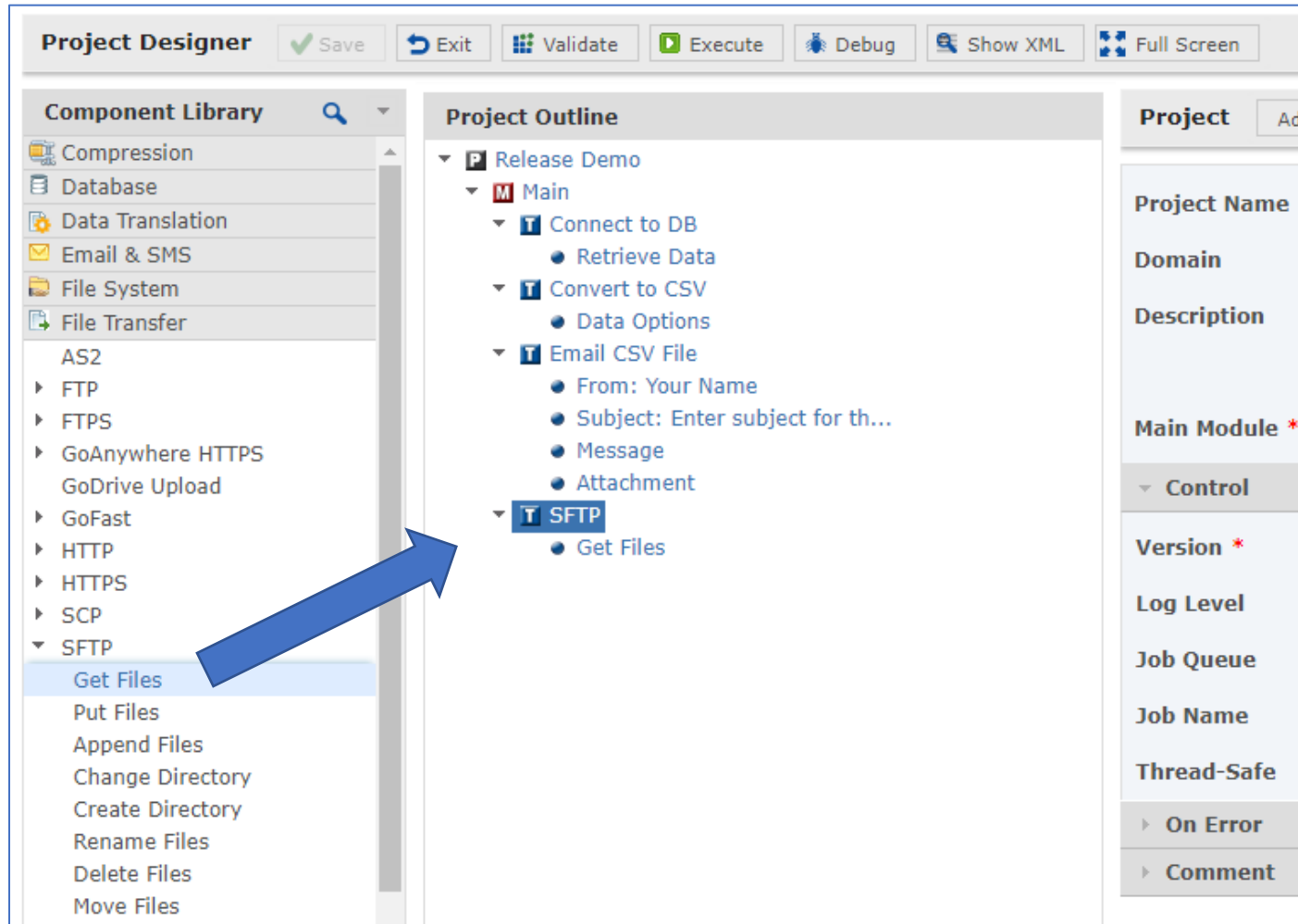
Subject: Enter subject for th...

Message

Attachment

Project Workflows

Task Elements are Selectable from the Component Library



Project Workflows

New Comment Attribute for Every Task and Element

SFTP Add ▼ Edit ▼ ?

Label

SFTP Server

▼ Create...

▶ **Advanced**

▶ **SFTP Server**

▶ **Control**

▶ **On Error**

▼ **Comment**

Comment

How to Upgrade to 5.6.1

▶ **Option 1 – Perform Update from within the Product**

- ▶ Choose “Check for Updates” under the GoAnywhere administrator Help menu and follow the instructions.

▶ **Option 2 - Download the upgrade from our website:**

1. Log into the customer portal at <https://my.goanywhere.com>.
2. Choose the “Product Downloads” menu item.
3. Select your existing product of “GoAnywhere MFT”.
4. Choose your operating system and check the license agreement.
5. From the “Upgrades” section, download the Upgrade Guide and the GoAnywhere MFT upgrade file (script) for 5.6.1.
6. Read the instructions in the Upgrade Guide.

Thank you for being a customer!



★★★★★
User Reviews

★ Average Ratings | 46 Reviews

Overall ★★★★★ 4.5 / 5

Ease of Use ★★★★★ 4.5 / 5

Customer Service ★★★★★ 4.5 / 5

Review This Product!



Review us on



GoAnywhere MFT

★★★★★ 7 reviews

4.9 out of 5 stars

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