

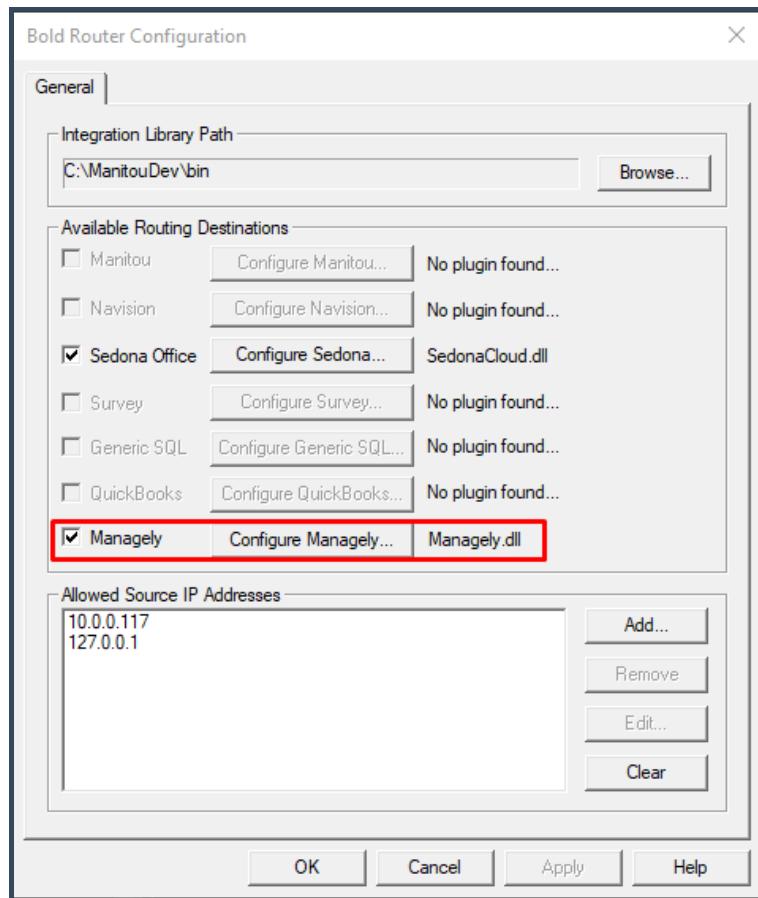
Manitou to Managely Integration (entire process)

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NOTE: Creating an Accounting Company needs to be completed prior to Router Configuration.

Router Configuration

1. Go to the Manitou folder on the Manitou Server that will host the Router.
2. Check to ensure the required dll's (listed below) are in the Manitou folder. If not, look in the patch folders for the latest versions and copy them into the Manitou folder. All are required.
 - BoldTechnologies.Drivers.Managely.dll
 - IdentityModel.dll, Managely.dll
 - Microsoft.Bcl.AsyncInterfaces.dll
 - Newtonsoft.Json.dll
 - System.Buffers.dll
 - System.Memory.dll
 - System.Numerics.Vectors.dll
 - System.Runtime.CompilerServices.Unsafe.dll
 - System.Text.Encodings.Web.dll
 - System.Text.Json.dll
 - System.Threading.Tasks.Extensions.dll
 - System.ValueTuple.dll
3. Right-click RouterConfig.exe and select Run as Administrator. The Bold Router Configuration window appears.



4. Click the Browse button next to the Integration Library Path

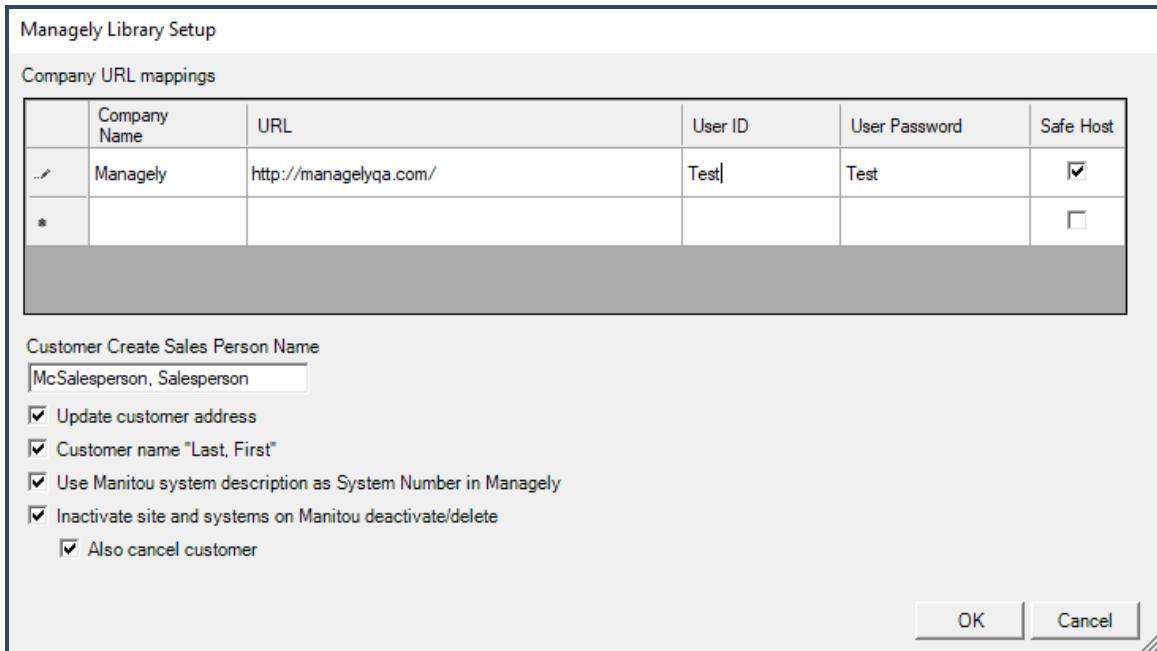
5. Go to the Manitou folder and click OK.



Note: The Configure Managely button is now active. Managely.dll will be shown to the right.

6. Check the Managely check box.

7. Click the Configure Managely button. The Setup dialog box will be displayed.



The Company Name here must match the company name (not ID) entered in Accounting Companies setup in Supervisor Workstation. Multiple companies may be entered here to accommodate multiple Manageley companies configured in Supervisor Workstation.

The URL, User ID, and User Password are set according to the Manageley installation. Safe Host disables certificate verification.

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Options Common to both installations

Customer Create Sales Person Name: When creating a Manageley customer, this is the name of the salesperson to use. It has to match the name of a salesperson in Manageley exactly and the employee has to be set as a salesperson.

Image	Name	User	Email	Technician	Salesperson	Actions
	Goes Here, Your Name		youremail@xxxxx...	<input type="checkbox"/>	<input type="checkbox"/>	Edit Delete 0 Docs
	Toro, Bill		papetyt@gmail.com	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Edit Delete 0 Docs
	Salesperson, Manitou		travisp@alarmbill...	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Edit Delete 0 Docs
	Godby, Paul		noemail@nexcel...	<input type="checkbox"/>	<input type="checkbox"/>	Edit Delete 0 Docs
	Silvia, Jacob		jacobs@perennial...	<input type="checkbox"/>	<input type="checkbox"/>	Edit Delete 0 Docs
	Marks, Michael		mikmarks@me.com	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Edit Delete 0 Docs
	Marks, Luke	customeruser (Smith, John)	mikmarks@me.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Edit Delete 0 Docs
	DeBaggis, Justin		justin.debaggis@...	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Edit Delete 0 Docs

Update Customer Address: When a Manageley site's address, phone number, or e-mail is updated by Manitou, the Manageley's site's customer's corresponding information can optionally be updated as well.

Customer name “Last, First”: If this option is enabled, the Manitou customer “search name” field (converted to title case) is used instead of the “normal” customer name to populate the Managely customer/site name.

Use Manitou system description as system ID in Managely: By default, the Manitou customer ID is used to populate the Managely system number. If it is desired to use the Manitou system’s description (not to be confused with the system type description) to populate the Managely system number, enable this option.

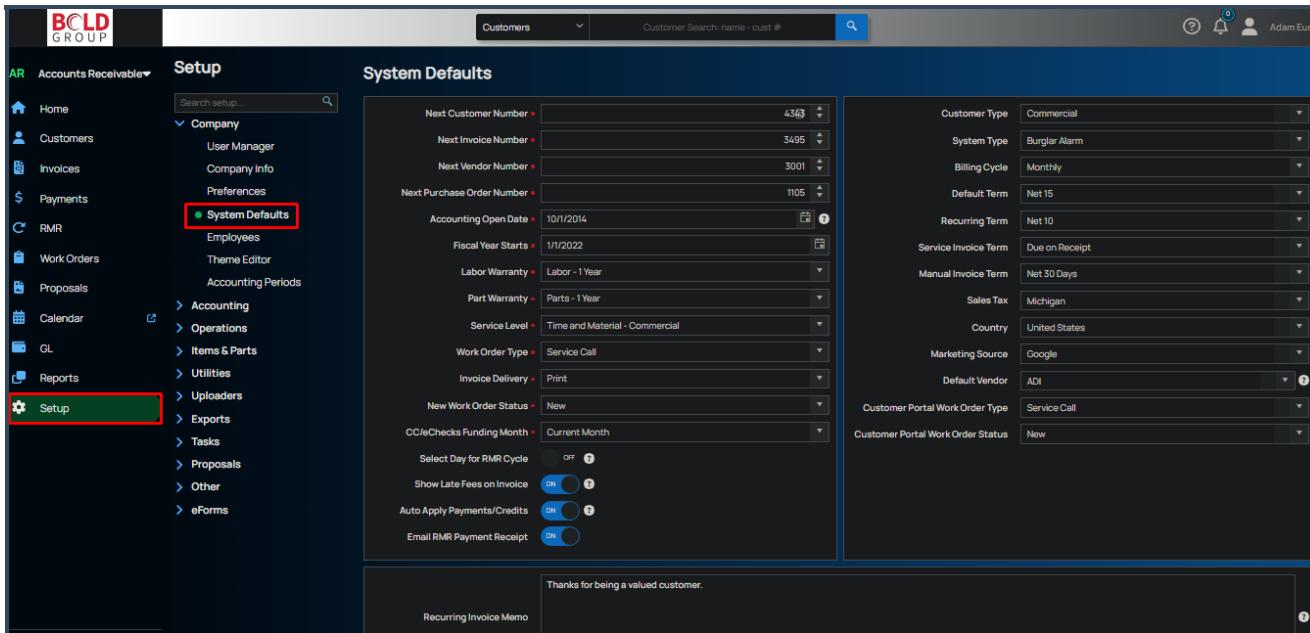
Inactivate site and systems on Manitou deactivate/delete and Also cancel customer:

When a Manitou customer changed to inactive or deactivate then:

- If this is not enabled, Managely is left unchanged.
- If this is enabled:
 - The Managely site is inactivated.
 - The Managely systems for that site are inactivated.
 - If there are no other active sites remaining on the Managely customer:
 - If “Also cancel customer” is enabled, the customer is terminated.

Manitou will deactivate customers/sites/systems but does not currently activate/reactivate them.

NOTE: Customer/Site defaults used to create customers/sites are set up in Managely under Setup->Company->System Defaults.



The screenshot shows the Bold Router Configuration software interface. The top navigation bar includes 'Customers', 'Customer Search: name - cust #', and user information. The left sidebar has sections for AR, RMR, and Setup. Under Setup, 'System Defaults' is selected and highlighted with a red box. The main content area is titled 'System Defaults' and contains various configuration fields. A red box also highlights the 'System Defaults' tab in the top navigation bar.

Click OK when finished with the Library Setup dialog. You return to the Bold Router Configuration.

In the bottom section of the Bold Router Configuration type the IP address of each of the Manitou machines, the IP address of 127.0.0.1.

To add each IP address:

1. Click the Add
2. Type the IP address.
3. Click OK.

4. Repeat until all addresses are entered.
5. To complete the configuration click OK on the Bold Router Configuration

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Managely Configuration

In the Managely Host navigate to Dealers. Select the Services tab and scroll down to the "Other" section. Select to enable Manitou.

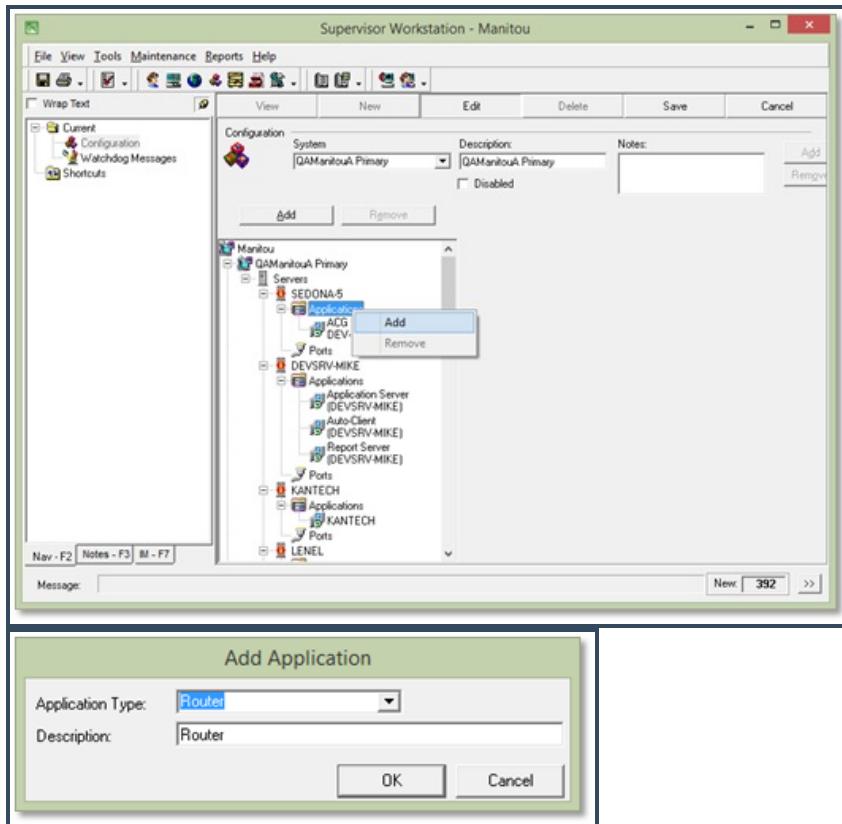
Service Name	Version	Default URL	Enabled
Sebis		sftp://ftp.sebis.com:22/test	NO
Sebis		sftp://ftp.sebis.com:22/test	NO
▼ Other			
PowerBI			NO
Avalara			NO
PulseM			NO
Stages			NO
Manitou			YES
▼ SedonaAPI			

In the Managely application Navigate to Setup and expand Utilities. Select Third Party Services and select the Central Station Integrations tab. If the form is blank, click the Refresh button at the bottom. "Manitou" should load into the form. Expand Manitou and click the edit button to update the Name and Endpoint. The Username and Password need to be a valid BoldNet Web Login.

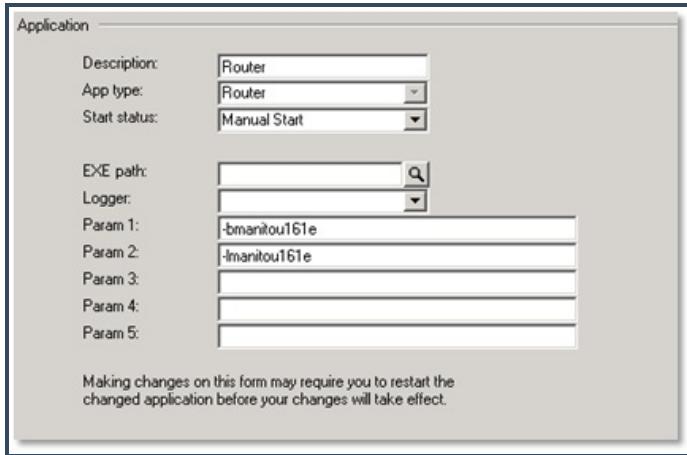
Adding the Router to the Manitou

Configuration

1. Open Supervisor Workstation.
2. Go to Maintenance | Setup | Configuration.
3. Click Edit.
4. Right-click Applications under the server on which the router configuration was completed and click Add. The Add Application dialog box appears.



5. Select Router from the Application Type drop-down list box and click OK. The Application group box appears.
6. Under Application, type -b plus the BrokerServerName in the Param 1
7. Under Application, type -l plus the LoggerServerName in the Param 2
8. Click Save.
9. Repeat these steps for each additional configuration on the customer's system.



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Starting the Router from the MSM

1. Open MSM on the active Manitou machine. If it is already open, click the Refresh
2. Right-click Router and click Start.

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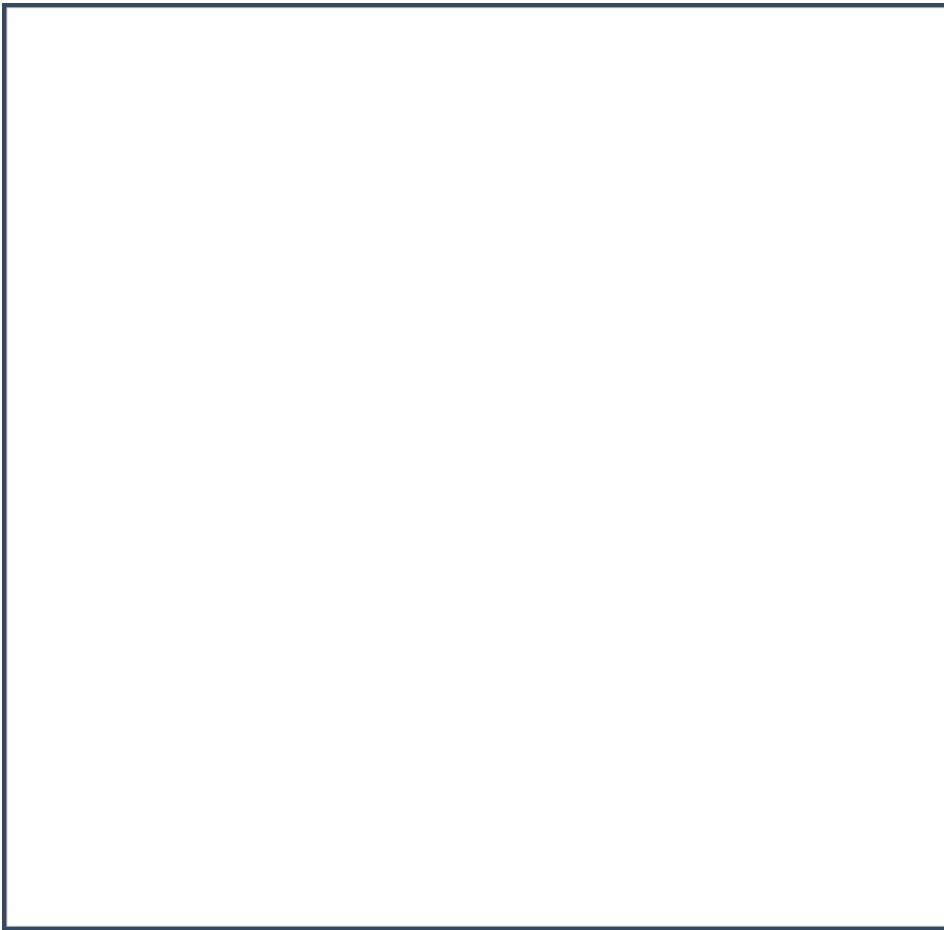
The below are steps the customer will do.

Creating an Accounting Company

An Accounting Company first needs to be entered into the Supervisor Workstation to be used when configuring the Router setup.

1. In Supervisor Workstation go to Maintenance | Accounting Companies; click Edit
2. Click the Add The Add Accounting Company dialog box appears.

3. Enter an appropriate name for the Managely Accounting Company in the Company ID
4. Select Accounting to Manitou CS, Manitou CS to Accounting, or Dealer Billing from the Interface Type drop-down list box. This “direction” essentially specifies which application controls changes in billing, and in which application a new account is first entered. However, when the direction is Manitou to Accounting, a new account can be entered in Managely first. It is of utmost importance to discuss the functionality and determine which direction is appropriate.
 1. Accounting to Manitou: All billing is manually entered and maintained in Managely.
 2. Manitou to Accounting: Assuming the “Customer Push” option is enabled for the company, customer changes in Manitou are pushed to Managely. NOTE: as billable monitoring services are added, modified, or removed in Manitou, recurring is NOT currently adjusted appropriately in Managely.
 3. Dealer Billing: This is currently not supported with the Managely integration.
5. Select Managely from the Application drop-down list box.
6. The Name drop-down list will be populated with the available Managely Companies. Select the appropriate company.
7. Click OK.
8. The information on the main form can then be entered



DSN is not used by Managely integration.

User and Password are not used by Managely.

Server is not used by Managely integration.

Update common fields: If this option is not enabled, Manitou will not attempt to update Managely when the customer name, address, or contact points are updated. If this option is enabled, common fields are updated regardless of integration direction. In other words, even if the direction is Accounting to Manitou, changes to name, address, or contact points in Manitou will update Managely. If the direction is Manitou to Accounting and Push Customer Changes is enabled, that option takes precedence over this one.

Account ID required: Specifies whether or not an A/R number must be entered when this accounting company is selected on a customer. This is forced to "enabled" for Managely integration.

Force Account ID to be unique: Specifies whether or not the same A/R number can be assigned to more than one customer in the same accounting company. This is forced to "enabled" for Managely integration.

Force services to be one-to-one with recurring: This is not used by the Managely integration. Recurring is not currently supported.

Push customer changes: This option must be enabled to push any changes other than the update of “common fields” (as defined above) to Managely. This includes the addition and deletion of systems. Under normal circumstances, this should always be enabled.



You MUST have Push customer changes enabled to create a brand new Managely customer from a Manitou Customer. This is also true from the new customer wizard in Manitou.

Additional companies can be added at this point if desired. Click Save when all desired companies have been added to save all the accounting company information.

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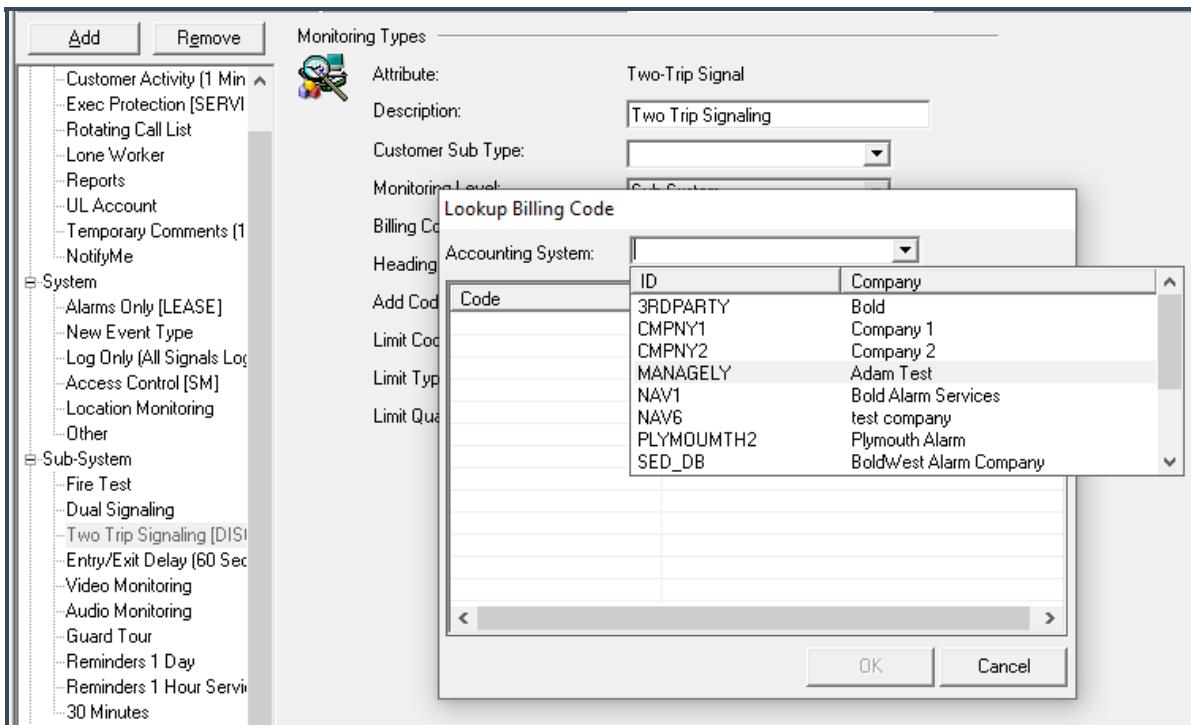
Defining Billable Charges

Although you can link billing codes to Monitoring Types, the ability to create recurring items in Managely has not yet been developed.

Manitou Monitoring Types are the link between billable services in Manitou and their associated charges in Managely. A monitoring type is attached to a monitoring service of a customer. The billing code of that monitoring type is then used as the recurring item when that billing information is pushed into Managely. Monitoring type definitions are entered in Supervisor Workstation | Maintenance | Setup | Monitoring Types.

Monitoring Types	
Attribute:	Two-Trip Signal
Description:	Two Trip Signaling
Customer Sub Type:	<input type="button" value=""/>
Monitoring Level:	Sub-System
Billing Code:	DISCOUNT (NO TAX)
Heading Code:	<input type="button" value=""/>
Add Code:	<input type="button" value=""/>
Limit Code:	<input type="button" value=""/>
Limit Type:	<input type="button" value=""/>
Limit Quantity:	0 <input type="button" value=""/>

Billing Code. The available item codes from Managely can be looked up by clicking the magnifying glass.



Once the desired accounting system (company) is selected, the available billing (item) codes will be displayed, allowing a code to be selected. If the desired item code does not yet exist in Managely, it will be necessary to add it in Managely first, then it can be selected here.

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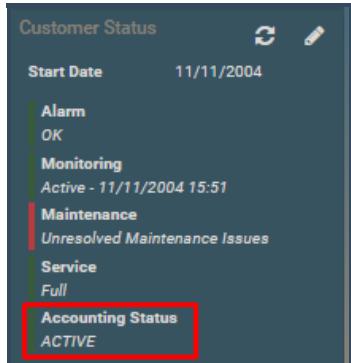
Dealer Billing/Third Party Billing

This is not currently supported.

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Accounting Status

When a Manitou customer is linked to accounting, the Customer Status section includes the accounting site's status:



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Accounting Functions

When a Manitou customer is linked to accounting, the additional “Accounting” menu item is hidden since all the items in this menu are service ticket related and Managely doesn't currently have service functions.

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Common Fields

One of the accounting company setup options is “Update Common Fields”. The “common fields” consist of the name and address information as a whole, plus the individual contact points explained below. Note that the Manitou address labels may be different based on the country setup.

Manitou	Managely
Name	Name
Address 1	Address 1
Address 2	Address 2
City	City
State	State
Zip Code	Zip
First contact point of type "phone"	Phone 1
First contact point of type "e-mail"	E-Mail

If so optioned in the integration setup, when any of the common fields are changed in Manitou, the corresponding field in Managely is updated.

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Entering a New Customer

Initial Setup

Create new Customer Copy from Existing Customer

Customer ID
ABC-123

Country
United States of America

Time Zone
GMT-07:00 - Mountain Time (US & Canada)

Language
English (American)

Dealer 

Accounting Company
MANAGELY - Adam Test

Accounting Number 

This field is required.

Monitoring Status
Active

CANCEL **NEXT**

When entering a new Manitou customer that will either be tied to an existing Managely site or pushed into Managely as a new site, the appropriate A/R Company is selected from the drop-down list. Next, the A/R Number look-up is performed by clicking the magnifying glass.

Link Account No.

Accounting Company
MANAGELY - Adam Test

New Account Number **CREATE**

Name Address City None

SEARCH



Accounting Number	Name	Address	City	ID
1028-2	Papay, Travis	123 stages test	Chagrin Falls	
1028-11102	Papay, Travis	527 Street	Irvine	
1028-11105	Papay, Travis	527 Street	Irvine	
1029-11134	Donoson, Bill	645 YZZ	Irvine	
1029-3	Donoson, Bill	123 New Street	Chagrin Fall	
1030-4	Jones, Drew	123 lake	Chagrin Falls	
1030-12386	Jones, Drew	123 lake	Chagrin Falls	
1033-6	BLINN, BILL	1234 Main St.	Seluda	
1034-7	Cocker, Alta	3554 Main St.	Parma	
1034-11066	Cocker, Alta	10113 Kendall Ln	Streetsboro	

Rows: 10 ▾ 1-10 of 356   

CANCEL **DONE**

If the integration direction is Manitou to Accounting, and the Managely site does not yet exist, click the Create button to auto-assign the A/R Number using the next available account number in Managely. The lookup form is immediately closed and the A/R Number field is populated with “* (AUTO)”. When the new customer is first saved, the account will be created in Managely, after which Manitou will show the account number that got assigned.

If the integration direction is Accounting to Manitou, the customer information must be entered in Managely first, so the Create New portion of the form is disabled.

Search for Existing is used to find the appropriate site in Managely. The search can be filtered by Name, Address, or City. Selecting None will return all accounts available to be linked. However, no more than 200 accounts will be shown at one time. Additional filtering may be necessary to limit the total number displayed so that the desired account is included in the results. Once the desired account is located, select that line and click OK. The lookup form is closed and the A/R Number and Name fields are populated with the information from Managely.

After the remainder of the New Customer Information has been entered/verified, click the Next button. The “normal” customer information screen is then shown.

Customer Wizard - Sally Fields

NAME & ADDRESS CONTACT POINTS MONITORING DETAILS SYSTEMS CONTACTS CALL LISTS USER DEFINED FIELDS

Customer Type: Customer ID - Auto Generate: ABC-123

Name: Sally Fields

Search By: SALLY FIELDS

Account Type: Normal Account

Related Type: Normal

Zip Code: 92606

City: Irvine

State (United States of America): California

Street1: 645 YZZ

Street2: ...

Latitude: Longitude:

Cross Street: Time Zone: GMT-07:00 - Mountain Time (US & Canada)

Subdivision: Language: English (American)

Country: United States of America

Accounting Company: MANAGELY - Adam Test

Accounting Number: 1029-11134

CANCEL NEXT FINISH

If the customer is tied to an existing Managely site, the “common fields” (address information here and contact points on Details screen) are pre-populated from the information in Managely.

If the customer is new to Managely, the A/R Number will still show “* (AUTO)”. The name, address, and “common”

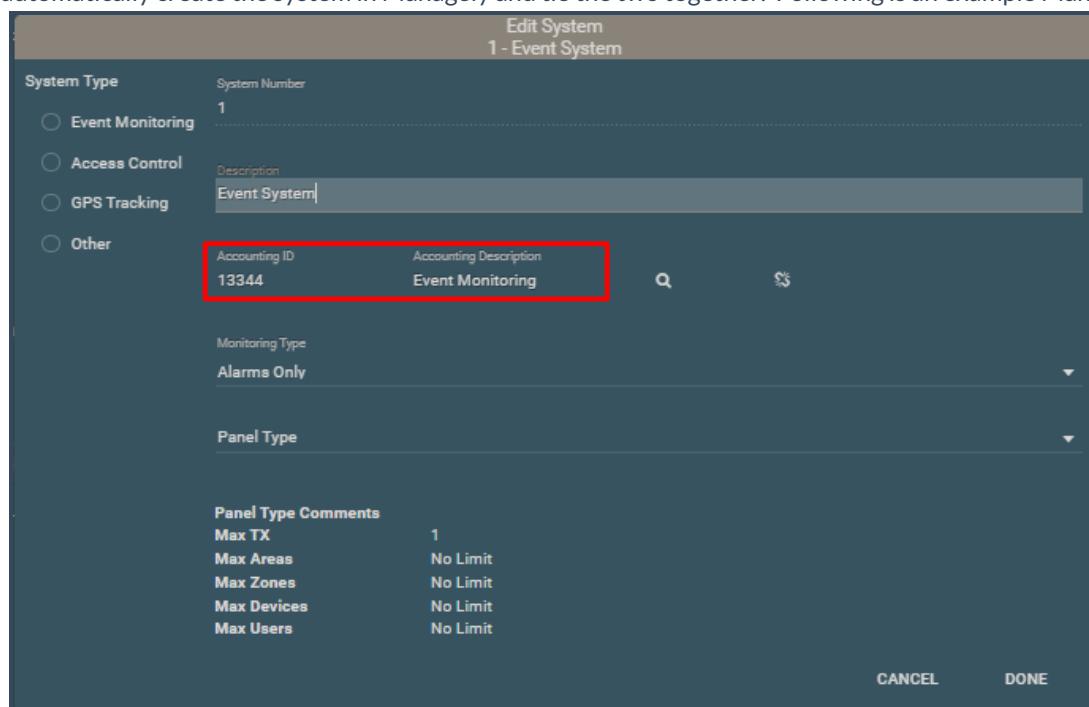
contact points entered here will be pushed into Managely when the new customer is first saved.

Note that the A/R Number is comprised of the Managely customer number plus the Managely customer site ID (<customer number>-<site ID>). This format may be referenced in this or other documentation as a “two-tiered” account number because it is comprised of two components.

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Systems

Manitou systems can be tied to Managely systems. If the integration direction dictates that Manitou will push changes into Managely, and the Manitou customer is currently tied to Managely, adding a new system in Manitou will automatically create the system in Managely and tie the two together. Following is an example Manitou system screen:



The screenshot shows a 'Edit System' screen for '1 - Event System'. The 'System Type' is 'Event Monitoring'. The 'Description' is 'Event System'. The 'Accounting ID' is '13344' and the 'Accounting Description' is 'Event Monitoring', which is highlighted with a red box. The 'Monitoring Type' is 'Alarms Only'. The 'Panel Type' is listed. The 'Panel Type Comments' section shows 'Max TX' as '1', 'Max Areas' as 'No Limit', 'Max Zones' as 'No Limit', 'Max Devices' as 'No Limit', and 'Max Users' as 'No Limit'. At the bottom are 'CANCEL' and 'DONE' buttons.

In the above example, the System ID is populated with the Customer System Id from Managely. A value in this field indicates the Manitou system is tied to the corresponding Managely system.

When pushing a new system to Managely, the following table shows the field mappings that are used. The Use Manitou system description as system ID in Managely integration option dictates if the Manitou customer ID or the system's description will be pushed into the Managely system's alarm account (system number) field.

Manitou System	Managely System
Customer ID or System Description	Alarm ACcount (System Number)
Managely Default Warranty Labor	Warranty Labor
Part found in Managely Parts by Manitou Panel Type	Panel Type
Managely Default Warranty Part	Warranty Part
Current date	Warranty Start

Managely Default Service Level	Service Level
Managely Default System Type	System Type
"Manitou Created"	System Comments

A Manitou system can be manually linked to a Managely system using the system lookup dialog. Click the magnifying glass next to the Accounting Description field:

Edit System
1 - Event System

System Type	System Number
<input type="radio"/> Event Monitoring	1
<input type="radio"/> Access Control	Description
<input type="radio"/> GPS Tracking	Event System
<input type="radio"/> Other	
Accounting ID	Accounting Description
	
Monitoring Type	Alarms Only
Panel Type	
Panel Type Comments	
Max TX	1
Max Areas	No Limit
Max Zones	No Limit
Max Devices	No Limit
Max Users	No Limit

CANCEL DONE

The lookup dialog is displayed:

Accounting Systems

RELOAD



Rows: 10 ▼ 1-1 of 1

System	Description	Panel Type	Status	Other
13344	PNL B	Active		

CANCEL DONE

If there are any Managely systems available to be linked, they will be displayed in the dialog. Selecting one and pressing DONE will link the selected Managely system to the Manitou system. At that time, the Manitou system description can be optionally replaced with the description from Managely.

If the Manitou and Managely systems are currently linked, to unlink them click the X. The linking will be removed and the Accounting ID fields will be empty.

Edit System
1 - Event System

System Type	System Number
<input type="radio"/> Event Monitoring	1
<input type="radio"/> Access Control	Description
<input type="radio"/> GPS Tracking	Event System
<input type="radio"/> Other	Accounting ID
	13344
	Accounting Description
	Event Monitoring
	<input type="button" value="Q"/>
	<input type="button" value="S"/>
Monitoring Type	<input type="button" value="Lookup Accounting Systems"/>
Alarms Only	
Panel Type	
Panel Type Comments	
Max TX	1
Max Areas	No Limit
Max Zones	No Limit
Max Devices	No Limit
Max Users	No Limit
<input type="button" value="CANCEL"/> <input type="button" value="DONE"/>	

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Managely API calls that Manitou to Managely integration uses

customer->customer
 customer->customerByCustomerNumber
 customer->customersViewModels
 customer->customerWizardAdd
 customer->nextCustomerNumber
 customer->terminateCustomer
 customer->updateCustomerContact
 customer->site->createCustomerSite
 customer->site->customerSites
 customer->site->inactivateCustomerSite
 customer->site->nextCustomerSiteNumber
 customer->site->updateCustomerSiteContact
 customer->system->addCustomerSystem
 customer->system->inactivateCustomerSystem
 customer->system->updateCustomerSystem
 dealer->employee->dealerEmployees
 external->externalInstance->externalInstances
 external->externalReference
 external->externalReference->externalReferences
 external->externalReference->linkExternal
 external->externalReference->unlinkedSites

recurring->allRMR
setup->branch->branches
setup->defaults->dealerDefaultsWithEnumValues
setup->item->dealerInvoiceItems
setup->part->parts
