

# Creating Routes

Before collecting data, you must set up your environment by creating a **Factory**, **Space**, **Machine**, and **Points**. Once these foundational elements are in place, you can proceed to create data collection routes.

## Set Up the Factory and Space

### Create a Factory

- Navigate to Setup > New Factory under the project section to create a new factory.
- Setup the name of your factory, description, and other.

### Create a Space

- In the **Asset Explorer**, click on the newly created factory.
- Next to the “New Factory” icon, click **New Space** to add a space within the factory.
- Setup the name of your space, description, and other information.

## Define Machine Classes

Machine classes serve as templates or models for your actual machines. They are not individual machines but represent a type of machine used in your factory.

- If you have multiple machines of the same type (e.g., a fleet of AC Chilled Water units), you create a machine class to model their shared characteristics.
- Each physical machine will be instantiated under that class in your database.
- If you already have a machine class file, click **Import Machine Class** and select your file to import it.

### To create or import a Machine Class:

1. Click the **Machine Class Builder** icon in the Edit section.
3. Use the **Open** icon in the Library section and select **Component** from the side menu to begin adding components.
5. Create a new Machine Class by clicking **Machine Class** under the New section
7. Drag and drop items from the **Tools** panel into the center window to build your machine class.
9. Use the **Property** bar on the right to configure details for each component.

**Note:** New databases come pre-populated with components, but machine classes must be created by the user to match their specific factory setup.

## Create Machines

Once your machine class is ready:

1. In the **Asset Explorer**, click on the **Space** you created.

3. Click **New Machine**.

5. In the **Machine Setup** window:

- Assign a name to the machine.
- Select the data collection points associated with this machine.

## Create a Route

After machines are defined:

- Click the **New Route** icon.
- Select the points you want to include in the route.

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