
Models4Insight Getting Started Documentation

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Getting started guides

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Welcome to the documentation for Models4Insight!

Models4Insight is a Software as a Service solution, that helps you to manage the lifecycle of your ArchiMate models. It consists of 4 parts:

- Model Repository
- Platform
- Analytics Library
- Data2Model
- Consistency Metrics

By storing your models in the Models4Insight **Model Repository**, you create a single source of truth which can be used for analysis. The repository is accessible via the Models4Insight **Platform**, which also provides model management features, such as:

- Collaboration
- Versioning
- Conflict management
- Branching

Data2Model helps you to automatically generate ArchiMate models from structured datasets like Excel spreadsheets, CSV, or JSON. This includes deriving concepts from your data, as well as arranging them into meaningful views. Data2Model integrates well with the Models4Insight repository and platform.

The analytics library provides a basis for automated model generation, as well as advanced analytics using models. It is available as a Python distribution upon request.

If you are new to Models4Insight, please have a look at our getting started guides!

Get started with the Models4Insight Platform

Get started with Data2Model

Get started with Models4Insight Consistency Metrics

1.1 Models4Insight Platform User Guide

1.1.1 About Models4Insight

Models4Insight is a Software as a Service solution, that helps you to manage the lifecycle of your ArchiMate models. It consists of 4 parts:

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Data2Model helps you to automatically generate ArchiMate models from structured datasets like Excel spreadsheets, CSV, or JSON. This includes deriving concepts from your data, as well as arranging them into meaningful views. Data2Model integrates well with the Models4Insight repository and platform.

The analytics library provides a basis for automated model generation, as well as advanced analytics using models. It is available as a Python distribution upon request.

This user guide is intended as a reference to help you get set up with the Models4Insight platform.

1.1.2 Registration

Before getting started, please register an account. To register, please visit www.models4insight.com and click the **register** button.

Clicking the register button takes you to the user registration page where you are asked to provide some personal information. **Note: A username cannot use capital letters, special characters or double spaces.**

Once you have filled in all the information, click on register. You will receive a verification email at the address you provided. You need to verify your registration before you can log in.

You should immediately receive an email from Aurelius Enterprise. The link within is valid for 5 minutes. Check your spam folder if you cannot find the email. If 5 minutes have passed, please click the re-send email button.

1.1.3 Login

All Models4Insight services use a single sign-on. This means you only need to log in once to use either. To log in, press the login button at the top of the [Models4Insight homepage](#). You will also be prompted to log in when visiting the platform directly, if you have not already done so.

Once logged in, you will be directed to the Models4Insight platform.

1.1.4 Accessing the Models4Insight Platform

You can access the platform by clicking on the **platform** button on the [Models4Insight homepage](#). Alternatively, you can navigate directly to the [platform](#).

On some mobile devices, it is possible to save the platform to your home screen. You will be prompted to do so after you first log in. Using the platform as an app provides a more seamless user experience and helps you get back to the platform more easily.

The platform is where you upload models, do version control, and control the authorization of project members. You can upload different versions, retrieve the versions that you previously uploaded, clone branches to work simultaneously on different versions of the same model and merge them back together.

1.1.5 Home

Welcome

The screenshot shows the Models4Insight 'Welcome' page. At the top, there is a navigation bar with 'Home', 'Projects', and 'About' buttons, and a 'Documentation' link. The user is logged in as 'thijsfranck'. A large green banner displays 'Welcome, thijsfranck' and a 'Continue working' button. Below this is a 'Getting Started' section with a welcome message and four role selection cards: 'Insights' (I'm a decision maker), 'Modeling' (I build models), 'Analytics' (I make analyses using models), and 'Monitoring' (I'm responsible for process quality). A 'Thanks, I got it.' link is at the bottom. The footer contains 'Copyright © 2018', 'Models4Insight', and '2.0.0'.

On first visiting the Models4Insight platform, you will be presented with an introductory page that is intended to help you get started quickly. Depending on your preferred role, please select the option that fits best. You will then be presented with a set of recommended actions. If you do not like the role you have selected, you can go back and choose another.

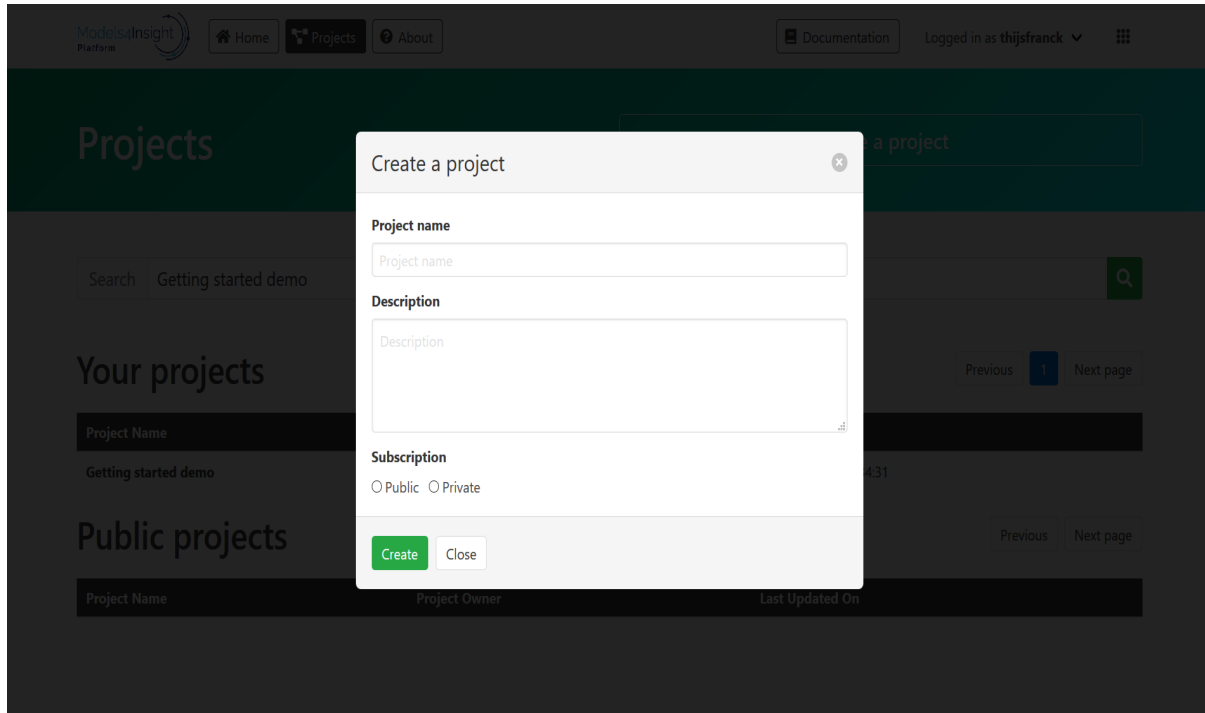
Returning user

If you are a returning user, you will instead be presented with a quick access menu. The continue working button will take you back to the page that you last visited when using the platform. There is also a list of your favourite projects, as well as your most recently visited projects. You can directly open a project by clicking the corresponding table row.

1.1.6 Projects Overview

The projects page gives an overview of all the projects you have access to. This includes private projects of which you are a member, as well as all public projects. Here you also have the option to create a new project.

Create project



The screenshot shows the 'Create a project' modal form on the Models4Insight Platform. The form is centered on a dark background and contains the following fields and options:

- Project name:** A text input field with the placeholder text 'Project name'.
- Description:** A larger text area with the placeholder text 'Description'.
- Subscription:** Two radio button options: 'Public' and 'Private'.
- Buttons:** A green 'Create' button and a white 'Close' button.

The background of the page shows a navigation bar with 'Home', 'Projects', and 'About' links, a 'Documentation' link, and a user profile 'Logged in as thijsfrank'. Below the navigation bar, there are sections for 'Your projects' and 'Public projects', each with a search bar and a list of project entries.

To create a project, fill in a **project name** and **description**. You cannot use the same project name twice. Furthermore, it must contain at least three characters, and cannot contain special characters or double spaces. Next, please provide some description of your project. The description cannot be empty. Under **subscription**, you have an option to make this project **public** or **private**. When you decide to make a project public, anyone who has access to the platform can see it, access it and download your models. Creating a private project limits access to you and those you have authorized (how to add new members to your project is explained under the Add member section). Please select your preference and click the **create** button.

Opening an existing project

The screenshot displays the 'Projects' page of the Models4Insight Platform. At the top, there is a navigation bar with 'Home', 'Projects', and 'About' links. A search bar is located below the navigation bar, with the placeholder text 'Project name or project owner'. To the right of the search bar, there is a 'Create a project' button. Below the search bar, there are two sections: 'Your projects' and 'Public projects'. The 'Your projects' section contains a table with one row: 'Getting started demo' by 'thijsfranck' updated on '06 May 2019, 13:34:31'. The 'Public projects' section is currently empty. At the bottom of the page, there is a footer with 'Copyright © 2018', 'Models4Insight', and '2.0.0'.

Project Name	Project Owner	Last Updated On
Getting started demo	thijsfranck	06 May 2019, 13:34:31

In addition to creating projects, you can also open your previously created projects or any projects shared with you. The table on the right of the page lists all projects of which you are a member. You can open any project by clicking its name in the table. You can search for any specific project using the search bar on top of the table. In addition, you can sort each column of the table by clicking the respective column headers.

1.1.7 Project Homepage

The screenshot shows the project homepage for 'Getting started demo'. The navigation bar includes 'Home', 'Upload a model', 'Retrieve a model', 'Manage branches', 'Resolve conflicts', and 'Settings'. The 'Home' section displays 'Activity over time' as a calendar heatmap and 'Recent activity' as a table with columns: User, Branch, Operation, Comment, and Timestamp. A 'View all activity' button is also present.

User	Branch	Operation	Comment	Timestamp
thijsfranck	MASTER	commit	Generated model for demo purpose	06 May 2019, 13:34:31

Opening a project redirects you to that project’s homepage. On your first visit, you will be presented with a short introduction. This introduction will guide you in setting up your project.

On returning visits, you will instead be presented with an overview of the recent activity in the project.

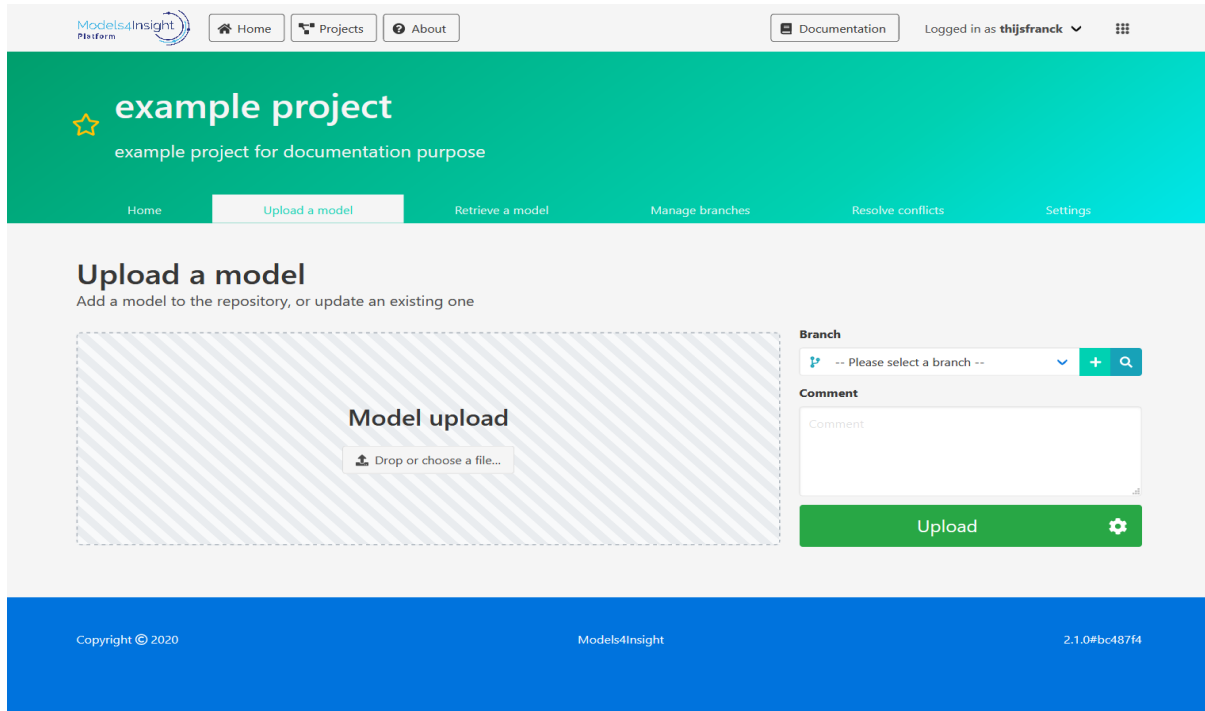
Project welcome

Whenever you open a project without any models in it, you will be presented with a short introduction that is intended to help you get set up.

Project actions

There are various actions you can perform related to version control, tracking your team’s activities, access control and publishing your model(s) to the portal. Each of these actions is described in the sections below. Some of these actions (e.g. publishing a model and adding new project members) are only available to users with elevated permissions.

Upload a model



Available to: Model contributor and higher

To add new models to your project, or to update existing models, you can upload ArchiMate model files from your computer to the Models4Insight repository. The repository currently supports ArchiMate models created in the open-source tool Archi (www.archimatetool.com). You can recognize Archi model files by the **.archimate** extension.

When you upload a model, you will update the branch you have selected with a new version.

To select a file to upload, drag a file into the striped upload area, or click the button inside of the area to open a 'select file' dialog window. After selecting a file, please select your target branch. If you want to publish your model to a new branch, please click the Plus button next to the branch field and enter the name of your new branch. Please also provide a short description in the **Comment** section (this cannot be empty!). Finally, please click the **Upload file** button.

A progress bar will appear at the top of the window to indicate the progress of the upload. After the upload completes, your model will be available from the model repository.

When the repository recognizes that your upload contains changes to the model, you will be prompted to choose which changes to keep. You can read more about how this works in the Conflict Resolution section.

In some specific cases, you may want to set additional parameters for your model upload. The settings button next to the upload button opens an options window that allows you to do the following:

Option	Description
Conflict resolution template	By selecting a conflict resolution template here, the selected template will be automatically applied when conflicts are detected. This skips the manual conflict resolution step.
Keep original ids	By default, concepts are assigned an id when they are first imported into the repository. The repository uses these ids to detect whether two concepts are the same. When importing a model from another project, the concepts in that model will already have tracking ids assigned to them. When this option is enabled, the repository will use these ids rather than newly generated ones. This ensures that changes made to the model (in either project) can be shared between projects without causing model inconsistencies.

Retrieve model

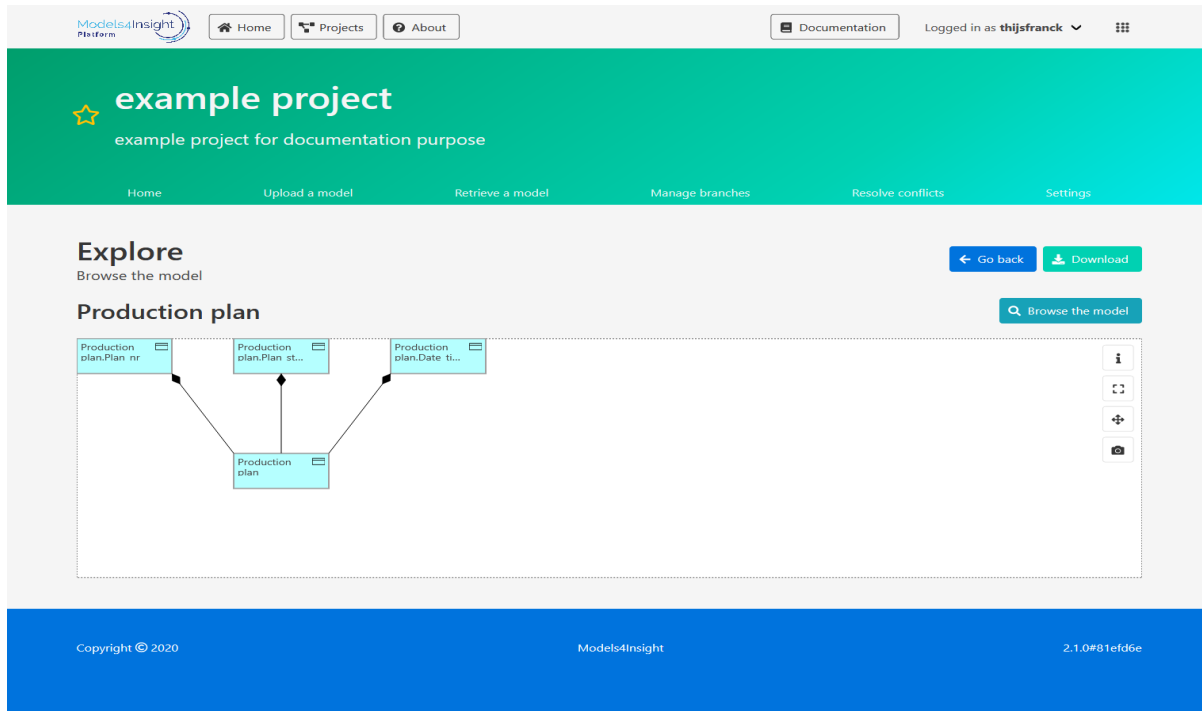
Available to: Business user and higher

To retrieve a model from your project, click on **Retrieve a Model** in the menu under the project banner. Here you will find an overview of all versions of the model currently in the repository. The overview is on the right side of the page. On the left side of the page, you will find a number of filter options that will help you find the version of the model you're looking for. You can filter based on the branch containing the model, the time period in which it was committed, as well as the description of the model and the person who committed it. Once you have found the version of the model you're looking for, you can download it by hovering over the corresponding context menu with your cursor (represented by three dots) and clicking 'Retrieve model'.

If you are looking for the latest version of a model for a particular branch, you can also click 'Retrieve latest' under the context menu for that branch.

You can use Archi to open the retrieved models. The name of the file you retrieve is automatically generated. Do not be confused if this is different from the original name of the file you uploaded; the content of the model is still the same.

Model explorer



If you would instead like to view the model in your browser, click the ‘Explore Model’ under the context menu for the version you would like to view.

Model view

The model explorer shows a single view of the model. You can pan and zoom the view using your mouse and scroll wheel.

Additionally, the model view has several buttons at the top right corner of the view. Use these to access the following functions:

- Show more information about the current view in the side window
- Show the current view in full screen mode (or to exit full screen mode)
- Reset the view to its original position and zoom level
- Download a picture of the current view.

Note that when exporting a picture of the current view from the model explorer, Models4Insight automatically adds metadata that allows you to track the following:

- The project the model is in
- The branch the model is in
- The version of the model

- The id of the view
- The name of the view
- When the picture was exported
- Who exported the picture

This metadata is especially helpful when using the architecture model outside of the repository, such as in documents or presentations. The version info can help identify when such documents need to be updated.

You can click concepts in the view to bring up additional details about the selected concept in the side window. The view info and selection info sections are discussed separately in more detail.

Browse the model

Browse

Model

View

View

Production plan



Model tree

▼ Views

GWI line

GWI series order

GWI shutdown

Lines

Load_strand

Order

Order_mutations

To open another view, start by clicking the **Browse the model** button to the top right above the view. This will open the side window with the model browser.

The model browser consists of a navigation tree that mirrors the folder structure of the model like in Archi. You also have the option to search for a specific view using the dropdown and search menu above the navigation tree.

When you select another view, it will show up in the model viewer. The model browser will then automatically close. You also have the option to keep the model browser open by pinning it to the side. You can enable this by clicking the pin icon at the top of the side window.

Model details

In addition to the model browser, the side window also contains the following tabs:

- Model: an overview of all elements and relationships in the model
- View info: details about the current view
- Selection info: details about the currently selected concept (if any are currently selected)

Model

Browse Model View Selection

Elements

1 2 3 4 5
Previous Next page

... 42

Type	Name
	Production plan.Plan_nr
	Production plan.Plan_status
	Production plan.Date_time_stored_plan
	Series.Plan_number
	Series.Series_Number

Relationships

1 2 3 4 5
Previous Next page

... 39

To open the model tab, select the model tab in the side window.

The model tab consists of two tables respectively listing the elements and relationships that make up the model. By clicking on any element or relationship, it will be selected in the model and the selection details will be opened. You can then use the details tab to navigate to any view the concept is used in, or to find connected elements and relationships.

There is also a search bar that allows you to search for any concept in the model via a full text search. Some examples include:

- Searching for a concept by name
- Searching for a concept by type
- Searching for a concept by description
- Searching for a concept by id

Note that you can also use any combination of the above methods. For example, you could use *business process finance* to find all business processes that include finance in their name or description.

Searching for a concept by id is especially powerful in conjunction with the consistency metrics application.

[View info](#)[Browse](#)[Model](#)[View](#)

Name

Production plan

Properties

1

2

Previous

Next page

Name	Value
created_by	Model Extractor API
m4i_id_prefix	view_e8e25243-f17e-48f5-bf63-b527f64cabd5
m4i_id_type	dynamic
m4i_original_id	Production plan
m4i_path	Views

To open the view info tab, you can use the view info button in the model viewer, or select the view info tab in the side window.

The view info tab shows the name of the current view, as well as the description and any other metadata. If you use view references in your model, there will be a list of view references in the current view, as well as a list of all views referencing it. You can open these views directly by clicking their respective names.


Selection info

Browse Model View **Selection**

Name

Production plan.Plan_status


Type

 Data Object

Properties

Name	Value
created_by	Model Extractor API
m4i_id_prefix	element_
m4i_original_id	Production plan.Plan_status
propidIEAIdentifier	id_a0ee34c4-b269-4509-89df-fc1aaf4ae9be

Referencing concepts

Type	Name
	Production plan.Plan_s... <i>Composes (Composition)</i>
	Production plan

If you have a concept selected in the model, the side window will also have the **selection info** tab available. When you select a concept in the view, the side window will open to this tab directly. You can also open it by clicking the selection info tab in the side window, if you already have a concept selected.

The selection info shows the name of the currently selected concept, its type, as well as the description and any other metadata. If this concept is used in any views, there will be a list of referencing views shown here. You can open any referencing views directly by clicking their respective names.

If the concept you have currently selected is an element, the selection tab will list all connected relationships. Conversely, if the current selection is a relationship, there will be a table listing the source and target elements. You can select any connected concept by clicking its name in the table.

You can unselect a concept by selecting another concept, or by clicking the selected concept again.

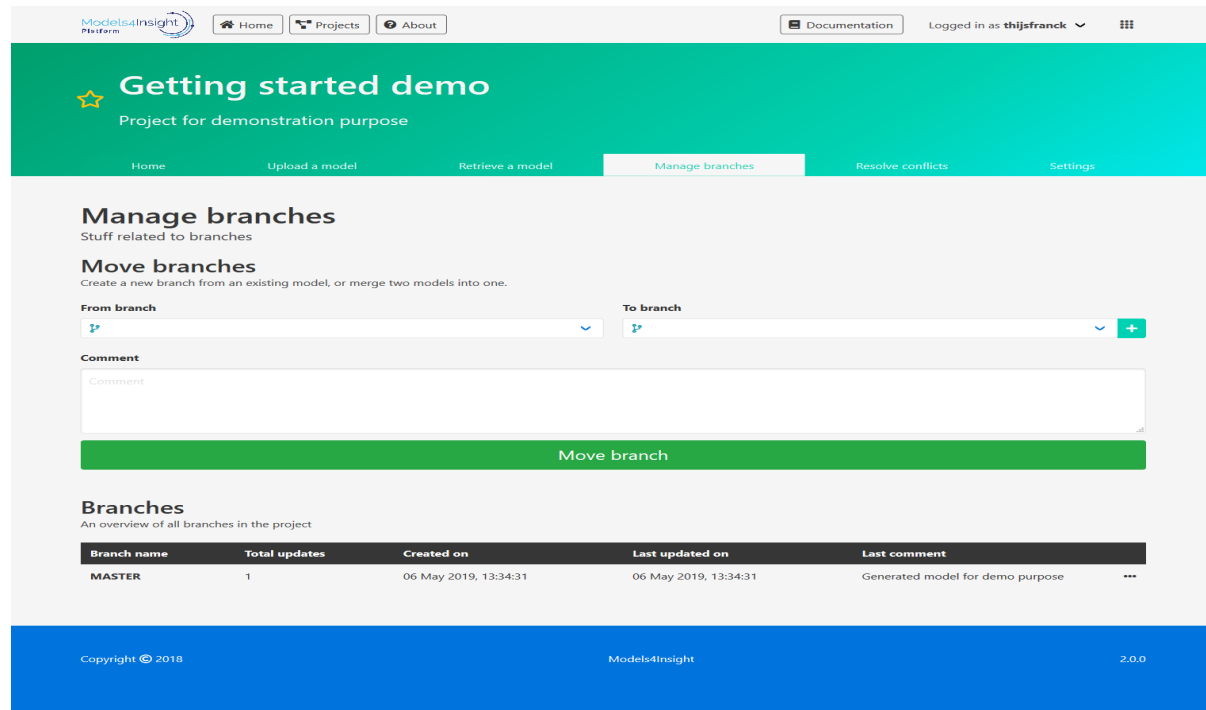
Compare

In addition to viewing a model, the model explorer also has the capability to compare two models with one another. The model comparison allows you to see what has changed between versions of a model. This is useful e.g. when reviewing the changes made by a team member. Alternatively, you can use the comparison to review changes between an as-is and to-be scenario.

You can access the comparison in the same way as the model explorer, via the context menu for a model version or branch. Instead of 'Explore', choose 'Compare'. This opens a window where you can specify the branch and version of the models that should be compared.

After choosing two models to compare, the model explorer will color elements and relationships in the model viewer to indicate differences. The view info section provides a legend for the colors used. Further, the navigation tree includes additional folders that organize the views based on whether or not they have changed.

Move branch



The screenshot shows the 'Manage branches' section of the Models4Insight web application. The page title is 'Getting started demo' and the subtitle is 'Project for demonstration purpose'. The navigation menu includes 'Home', 'Upload a model', 'Retrieve a model', 'Manage branches', 'Resolve conflicts', and 'Settings'. The 'Manage branches' section contains a 'Move branches' form with fields for 'From branch' and 'To branch', a 'Comment' text area, and a 'Move branch' button. Below the form is a 'Branches' table with the following data:

Branch name	Total updates	Created on	Last updated on	Last comment
MASTER	1	06 May 2019, 13:34:31	06 May 2019, 13:34:31	Generated model for demo purpose

The footer of the page displays 'Copyright © 2018', 'Models4Insight', and '2.0.0'.

If you want to isolate a version of your model to make adjustments without affecting the original, you have the option of moving that version into another branch. Branching creates a separate version of the model that you can edit in a vacuum.

To create a new branch, click on **Manage branches** under the project ribbon. This will open the move branch view. Please specify an existing branch in the left drop-down menu.

Next to the right drop-down menu, click the plus button. Fill in the name of this new branch (which must be unique for the project), as well as a description, and click 'Add'.

Finally, please provide a comment that describes the reason for the move. The comment section cannot be empty.

Alternatively, to move a branch to an existing branch, you can select the branch you want to move to from the right drop-down menu. When moving the branch, you will be prompted to choose which changes to keep. You can read more about how this works in the Conflict Resolution section.

Conflict resolution

Conflicts in your model may arise for a number of reasons. For example, you and a colleague may have made changes simultaneously. Alternatively, you may be attempting to move a model from one branch to another, where another model resides. If this happens, a pop-up appears prompting you to reconcile the conflict(s).

You can resolve the conflicts in your model under the conflict resolution section which is accessible via the project ribbon.

In the conflict resolution screen, you will be initially presented with a list of all uploads/moved branches which have resulted in conflicts. Click any set of conflicts to get started.

Once you have selected a conflict set, you will be presented with an overview of all conflicts found. You can now start resolving the conflicts.

Models4Insight provides several standard conflict resolution templates which help you to resolve your conflicts automatically. You also have the option to reconcile the changes manually.

For each conflict, you have the option to either apply the change from your new version, or to save the current state of the model in the repository. The changes you do not apply are subsequently ignored.

Template	Description
Keep repository	De facto nothing changes
Replace repository	Replace the repository head with the new model or source branch
Union keep repository	In case of conflicts, keep repository changes
Union replace repository	In case of conflicts, replace the repository with the new model or source branch
Manual conflict resolution	Manually resolve each conflict

By clicking any conflict in the overview, you will be presented with additional details about that specific conflict. Here you will also be able to resolve that conflict manually. The left column represents the current state in the repository. The right side represent the state of the new version. By clicking the button in either column you can choose which version to keep.

Once you have resolved all conflicts, or chosen a template, you can apply the conflict resolution to the repository by clicking the 'Apply' button at the bottom of the overview.

Project Settings

Available to: Maintainer and higher

Under project settings, you can configure various aspects of the project.

Project description

The screenshot shows the Models4Insight web interface. At the top, there is a navigation bar with 'Home', 'Projects', and 'About' buttons, and a 'Documentation' button. The user is logged in as 'thijsfranck'. Below the navigation bar is a green banner with a star icon and the text 'Getting started demo' and 'Project for demonstration purpose'. A ribbon below the banner contains buttons for 'Home', 'Upload a model', 'Retrieve a model', 'Manage branches', 'Resolve conflicts', and 'Settings'. The main content area is titled 'Project Settings' and 'Change various aspects of your project'. It has two tabs: 'Categories' and 'Project Info'. The 'Project Info' tab is active, showing a 'Description' input field with the text 'Project for demonstration purpose' and a green 'Save' button. On the left, there is a sidebar with 'GENERAL' (Project Info, Delete Project) and 'PROJECT MEMBERS' (Overview) sections. The footer is blue and contains 'Copyright © 2019', 'Models4Insight', and '2.0.0'.

To edit the project description, change the text in the input box and click save. You should see the project description updated in the ribbon.

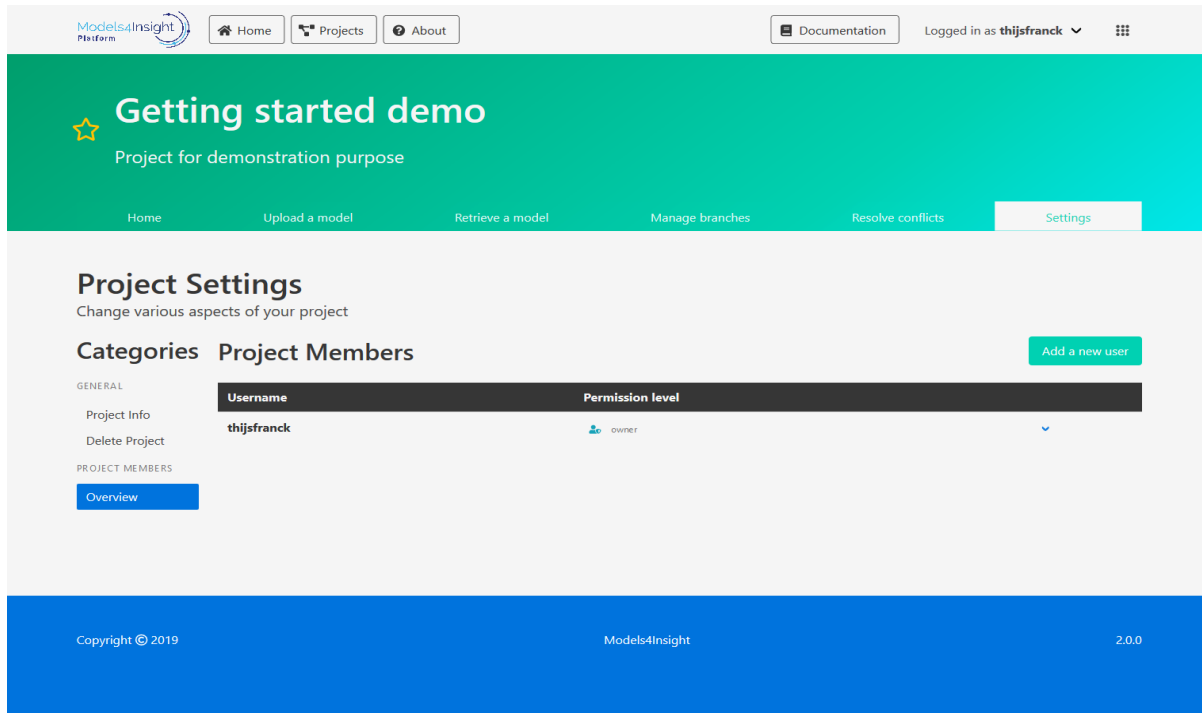
Delete project

The screenshot shows the Models4Insight web interface. At the top, there is a navigation bar with 'Home', 'Projects', and 'About' buttons, and a 'Documentation' button. The user is logged in as 'thijsfranck'. Below the navigation bar is a green banner with a star icon and the text 'Getting started demo' and 'Project for demonstration purpose'. A ribbon below the banner contains buttons for 'Home', 'Upload a model', 'Retrieve a model', 'Manage branches', 'Resolve conflicts', and 'Settings'. The main content area is titled 'Project Settings' and 'Change various aspects of your project'. It has two tabs: 'Categories' and 'Delete Project'. The 'Delete Project' tab is active, showing a red 'Delete project' button. Below the button, there is a warning message: 'This permanently deletes your project and all associated models from the repository.' On the left, there is a sidebar with 'GENERAL' (Project Info, Delete Project) and 'PROJECT MEMBERS' (Overview) sections. The footer is blue and contains 'Copyright © 2019', 'Models4Insight', and '2.0.0'.

Available to: Project Owner

This section allows you to delete the project and all associated models permanently from the repository. To do so, please hold the red 'delete project' button for 3 seconds.

Access management



The **Members** function below settings allows you to grant or revoke other users' access to your project. The settings page displays a list of all users who currently have access to the project, along with their current permission level. There following permission levels are available:

Permission Level	Description
Owner	Can access all project functions
Maintainer	Cannot delete the project, or assign new project owners
Contributor	Cannot access the project settings
Model User	Can retrieve models, but cannot commit new versions or move branches
Business User	Can access the model explorer

To add a user, click the add user button. Provide the username, email or name of each member you wish to add to the project. This username needs to be valid. You will see a top selection of users matching the search criteria. You can add a user to your project by clicking the 'Add' button next to their name. Every new user is assigned the 'Business User' role by default. You can change the role of your users via their corresponding drop-down menu.

You can remove existing members of a project by hovering over the dots behind their name, and holding the delete button for a second.

1.1.8 Definitions

Archi

Archi is a free to use, open source editor for ArchiMate models. It can be downloaded on www.archimatetool.com.

Branch

A branch is a separate version of the model that you can edit in a vacuum. The initial model uploaded within the project is saved as the master branch. You have the option of cloning branches and merging them again.

Move branch

Moving a model into a new branch means creating an identical copy of your model that can be edited in isolation. If your project has two or more branches, you have the option to merge two of them into a single branch. Merging combines the versions from each branch into a new version of your model.

Project member

A project member is a user who has access to a project. This includes the creator of the project and any people they have granted project membership to. See section *Add member* on how to add people to your project.

Retrieve model

You can use the platform to download a version of your model as a file. These files can be used with the Archi editor to make changes to your model. To read more, please see *Retrieve model*.

Tracking information

Any model retrieved from the platform has tracking information associated with it. The tracking information helps us to keep track of the changes you and your team make to the model. You can view this information in Archi under the properties section. **Do not change these properties.**

Upload model

You can upload new versions of your model to the repository via the project homepage. To read more, please review Upload model.

1.1.9 Common Issues

If you run into any issues while using Models4Insight, please let us know via info@models4insight.com. We will be happy to assist you.

Models4Insight Platform

If you are having trouble uploading a model, make sure that:

- The comment section is not empty
- Your model is using the .archimate extension

If you are having trouble creating a branch, make sure that:

- The name of the new branch is not empty and unique for the project. The name should also not contain any special characters.
- The comment section is not empty

If you are having trouble moving your model between branches, make sure that:

- The source and target branch are specified
- The comment section is not empty

If you are having trouble adding new people to your project, please make sure their username/e-mail is spelled correctly

1.2 Data2Model User Guide

1.2.1 About Data2Model

Data2Model is a software as a service solution that allows the automatic generation of ArchiMate models from various data sources. Its intent is to enable a repeatable, automated workflow for people who would normally create models by hand, such as enterprise architects, information architects or business analysts. Data2Model integrates with the Models4Insight platform and repository for version management and model persistence.

This guide is intended to help you get started with Data2Model quickly. It describes the basic steps to turn data into a model, as well as the capabilities of the Data2Model tool.

1.2.2 Registration

If you are not already a Models4Insight user, you will need to register first. To do so, please visit www.models4insight.com and click the **register** button.

Clicking the register button takes you to the user registration page where you are asked to provide some personal information. **Note: A username cannot use capital letters, special characters or double spaces.**

Once you have filled in all the information, click on register. You will receive a verification email at the address you provided. You need to verify your registration before you can log in.

You should immediately receive an email from Aurelius Enterprise. The link within is valid for 5 minutes. Check your spam folder if you cannot find the email. If 5 minutes have passed, please click the re-send email button.

1.2.3 Login

All Models4Insight services use a single sign-on. This means you only need to log in once to use all services. If you are not already logged in, you will be prompted to do so when you initially visit Data2Model.

1.2.4 Installation

If you are a mobile user, or if you are using Chrome, you have the option to install Data2Model as an app on your device. This will add a shortcut to your home screen or desktop, and will allow Data2Model to run as a dedicated app/window. You will find the installation button in the navigation menu.

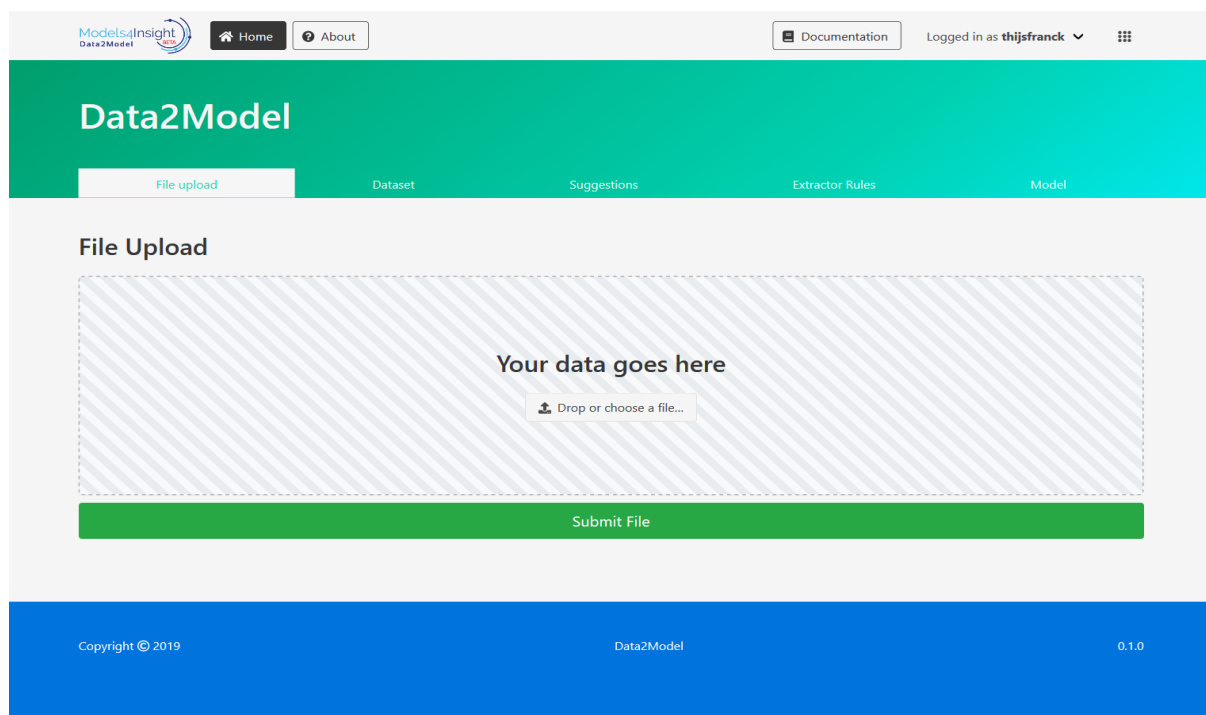
It is recommended that you install the app if you intend to use Data2Model regularly. You will not miss out on any functionality if you do not install or if you are using a different browser.

1.2.5 Workflow

The basic workflow for Data2Model is as follows:

1. Choose a dataset and upload it for parsing
2. Review the parsed dataset
3. Define model extraction rules
4. Extract a model from the data based on the rules defined
5. Review the model
6. If you like the generated model, commit it to the repository. If not, adjust the rules and try again.

Upload some data



The first step in generating a model is to choose the dataset you want to base the model on. Depending on the structure of your dataset, you may need to do some data preparation outside of Data2Model first. Data2Model supports datasets in the following formats:

- XLS
- XLSX
- CSV
- A list of flat JSON objects

When you first open Data2Model, you will be presented with a file upload page. Here you can provide your dataset as a file. You can either drop the file into the striped area, or you can click the 'Choose a file' button to browse for the file.

Once you have selected the file, click the ‘Submit File’ button. This will upload your file to the Data2Model server for processing. A progress bar will pop up to indicate that the server is still busy. When processing is completed, you will be moved on to the next step.

Review the data

The screenshot shows the Data2Model web application interface. At the top, there is a navigation bar with 'Home' and 'About' buttons, a 'Documentation' button, and a user login 'thijsfrank'. Below the navigation bar is a teal header with the 'Data2Model' logo and a menu with 'File upload', 'Dataset', 'Suggestions', 'Extractor Rules', and 'Model'. The 'Dataset' section is active, displaying a table with 10 rows of data. The table has columns for ID, Source, Message, Destination, Site, Method, and site_message. Below the table are 'Previous' and 'Next page' buttons. At the bottom of the page, there is a blue footer with 'Copyright © 2019', 'Data2Model', and '0.1.0'.

ID	Source	Message	Destination	Site	Method	site_message
1	Warehouse plant A	provisioned material	ERP plant A	plant A	REST	site plant A - message provisione...
2	ERP plant A	material request	Warehouse plant A	plant A	SOAP	site plant A - message material re...
3	MES plant A	material request	ERP plant A	plant A	REST	site plant A - message material re...
4	MES plant A	product finished	ERP plant A	plant A	REST	site plant A - message product fi...
5	ERP plant A	order	MES plant A	plant A	REST	site plant A - message order
6	ERP plant A	provisioned material	MES plant A	plant A	REST	site plant A - message provisione...
7	MES plant A	resource planning	HR	plant A	SOAP	site plant A - message resource p...
8	MES plant A	product finished	Data warehouse plant A	plant A	REST	site plant A - message product fi...
9	MES plant A	product information	PIM plant A	plant A	SOAP	site plant A - message product in...
10	ERP plant A	order	Data warehouse plant A	plant A	REST	site plant A - message order

Next, you will be shown the result of the data processing. The page contains a table, where each row should mirror a row/object in your original dataset. The data shown here is the data from which a model will be extracted. Please check whether the processed data matches your expectations. When you’re done, please move on to the next step.

Define extraction rules

Data2Model uses rules to define which elements, relationships and views it should extract from your dataset. This rule-based approach provides a couple of key benefits:

- A relatively small set of rules can be applied to generate a complex model from a large dataset.
- Rules enable an incremental modelling workflow, where you tweak the rules to improve the quality of the model.
- Rules can reflect your organization’s modelling conventions, and they can be used to uniformly apply these conventions.
- Rules can serve as provenance of model concepts and views.
- Rules can be reused in case of e.g. a time-series dataset that is updated over time.
- Rules can be shared with colleagues.

Since every dataset is different, we ask that you define these rules yourself. There are 2 primary ways of defining rules in Data2Model:

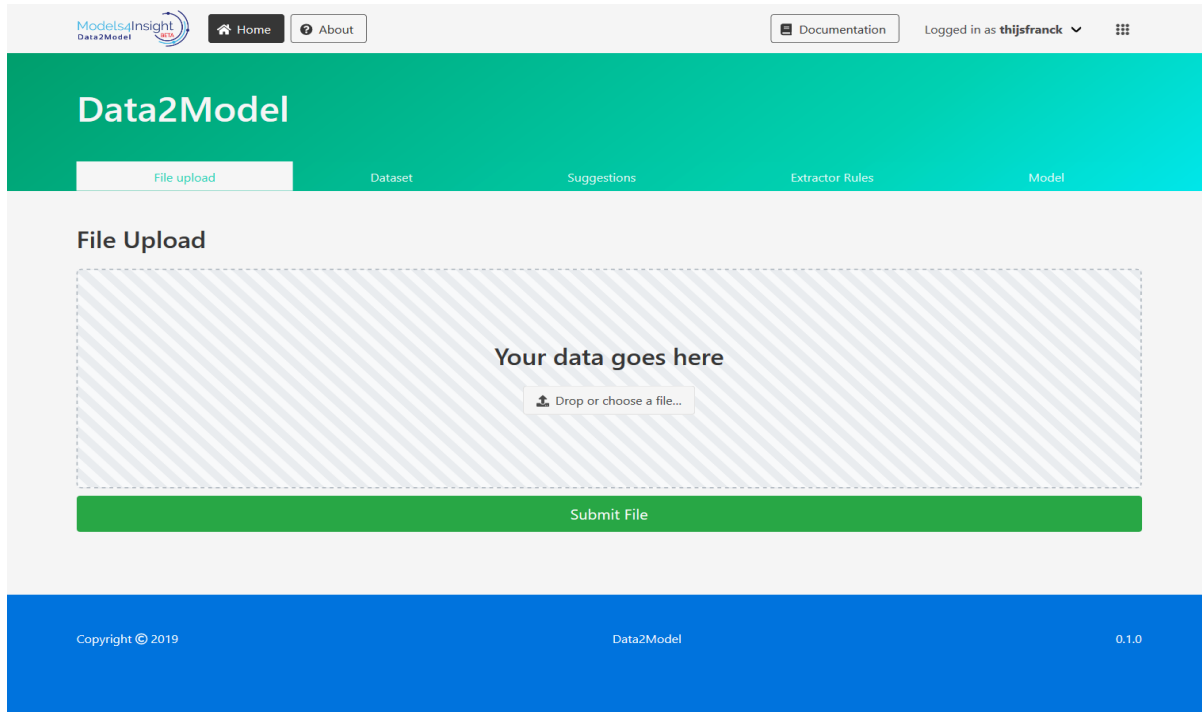
- Easy mode: Define rules from suggested relationships based on the structure of your dataset. This approach provides more guidance and creates extractor rules automatically.

- Expert mode: Define rules completely manually using the rule editor. This approach gives you more control at the cost of more complexity.

The next chapters explain each approach in more detail.

Building a model in easy mode

To get started building a model in Easy mode, please navigate to the suggestions tab.



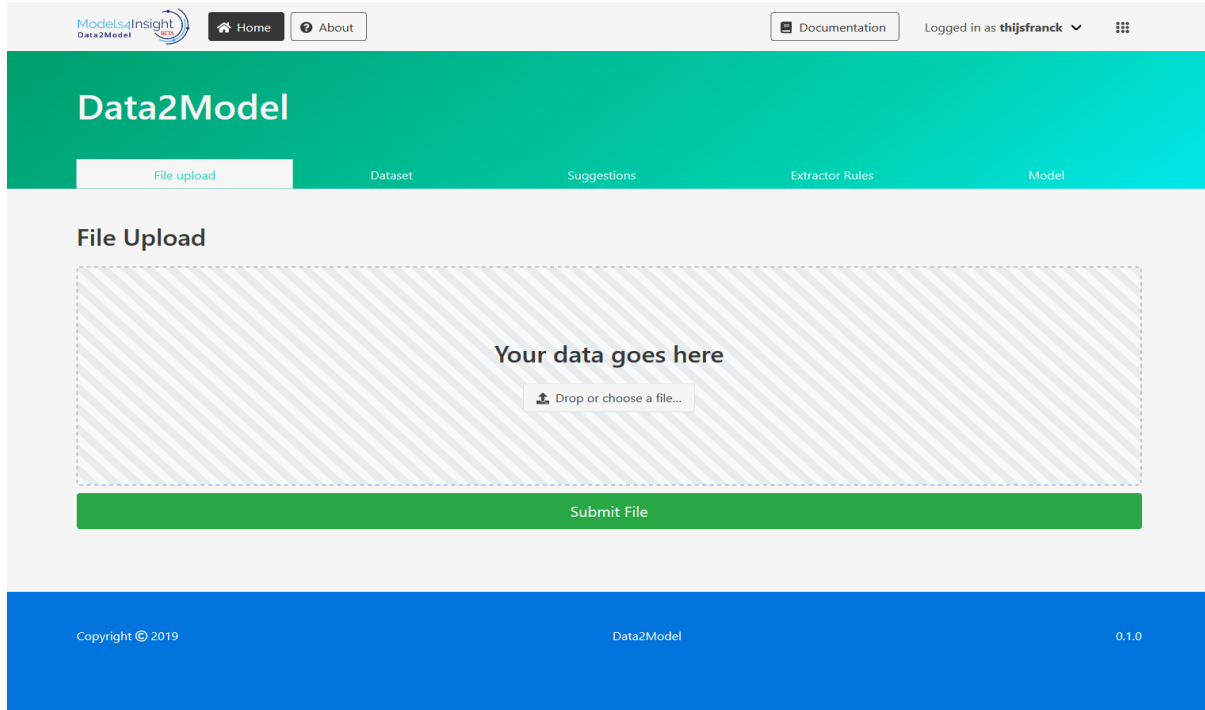
When you open the suggestions tab, you will be presented with a set of suggested relationships grouped per ArchiMate relationship class, these being:

- Dynamic relationships: Relationships which describe temporal dependencies between elements within the architecture.
- Structural relationships: Relationships which represent the static coherence within an architecture. These include composition, aggregation, assignment and realization.
- Other relationships: Relationships which do not fall into either of the above categories. This includes dependency relationships and composite relationships.

You can switch between suggestions for the given relationship classes using the respective tabs on top of the suggestions table.

For every suggested relationship, the names of the columns representing the source and target elements are given. To get started defining rules for a relationship, click its respective row in the table.

When selecting a suggestion, the associated element, relation and view rules are generated automatically.



After selecting a suggestion, the model builder and model preview appear below the suggestions table.

The model builder allows you to customize the generated rules. You can select a type for the source and target elements, as well as for the relationship itself. Note that if there already exists an element rule which corresponds to the same column as the source or target columns, the type of the element will be inherited from this rule.

If you want to turn around the relationship to point from target to source, rather than from source to target, you can click the green button next to the relationship type field. You can also select a name for your relationship, which will appear as a text above the arrows, if your dataset contains suitable values.

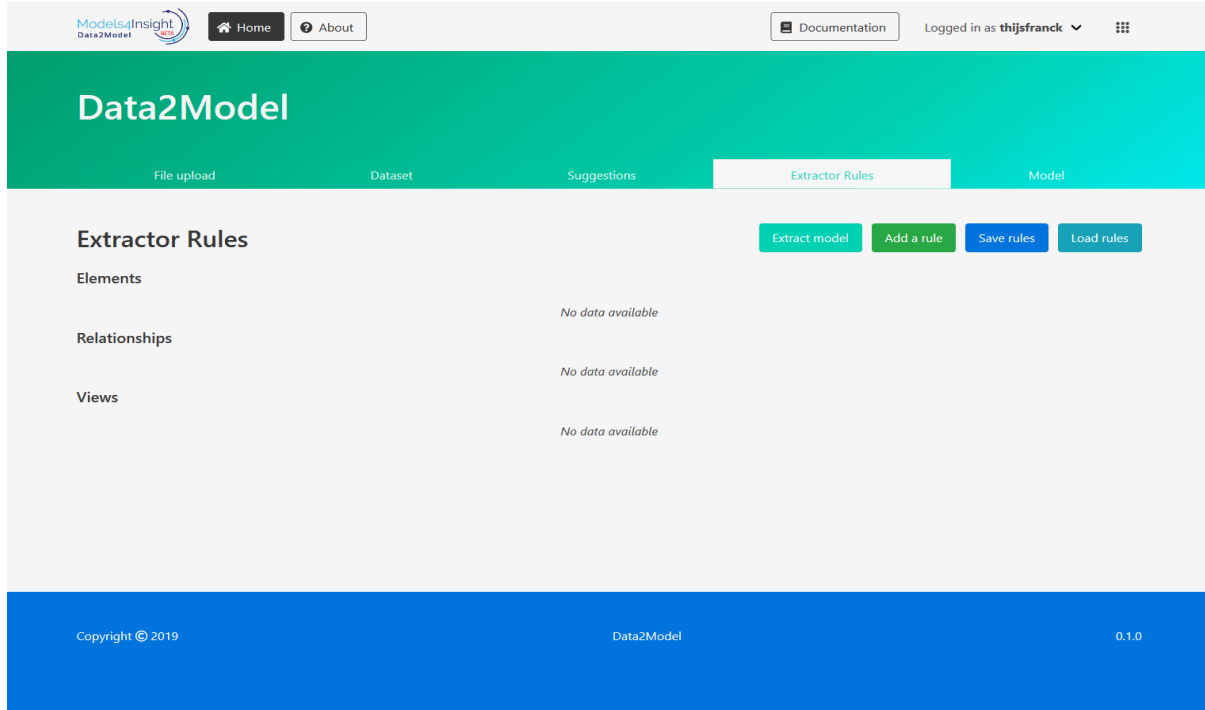
Finally, you can customize the views that will be generated for the relationship. You have the option to:

- Group views by source column,
- Group views by target column, or
- Add all generated elements and relations into a single view

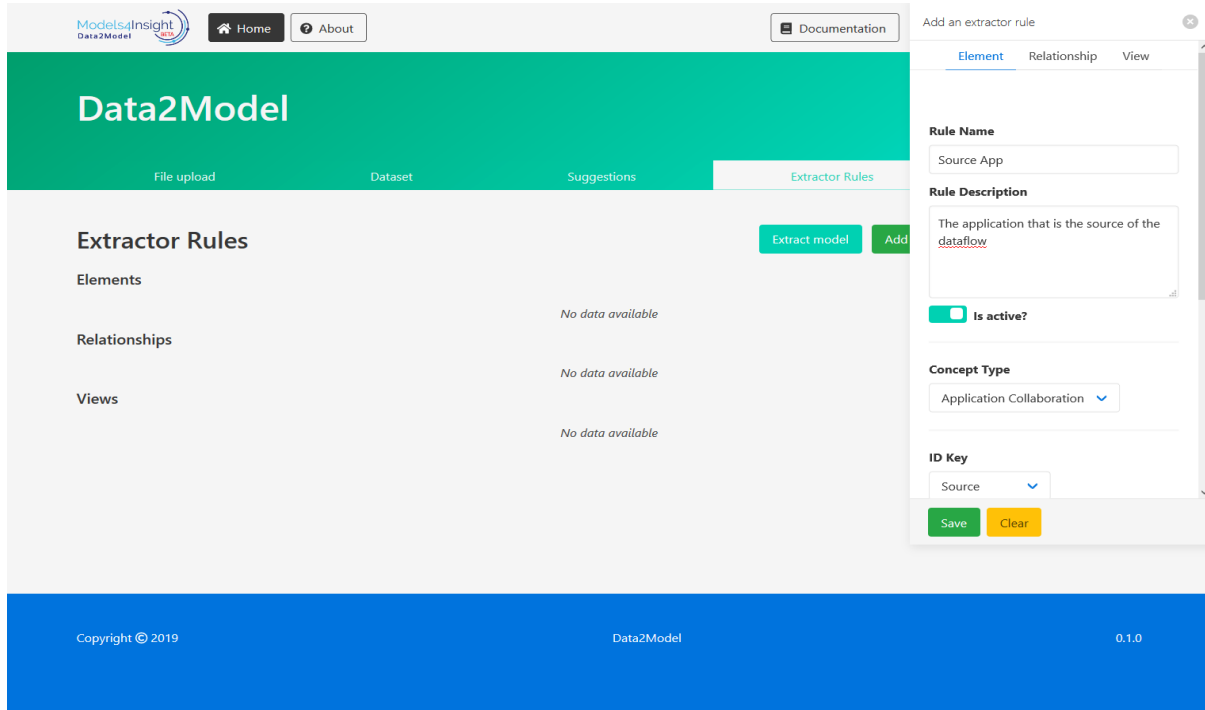
Whenever you change an aspect of your rules, the model preview will update to show you what the resulting model would look like based on a small subset of your data.

Building a model in expert mode

To get started building a model in Expert mode, please navigate to the rules tab.



The rules overview presents your current ruleset categorized by elements, relationships and views.



To add a new extractor rule, click the 'add a rule' button at the top of the overview. This will open a side window, where you can define rules for elements, relationships and views. If you need to reference your dataset while defining the rule, you can switch back and forth to the data overview while the rule definition screen stays open.

For elements, the following configurations are available:

Field	Description
Rule Name*	A descriptive name for the rule
Rule Description	A short description of the intention of the rule
Is Active*	Whether or not the rule is currently enabled for the extractor
ID Key	The name of the column that uniquely identifies this element
ID Prefix	A namespace for when the same ID is shared between multiple elements
Name Key*	The name of the column that contains the name of this element
Name Prefix	A namespace that is added in front of the element name
Attribute Mapping	Columns that should be added as attributes to the element

For relationships, the following configurations are available:

Field	Description
Rule Name*	A descriptive name for the rule
Rule Description	A short description of the intention of the rule
Is Active*	Whether or not the rule is currently enabled for the extractor
ID Key	The name of the column that uniquely identifies this relationship
ID Prefix	A namespace for when the same ID is shared between multiple relationships
Source Element*	The rule which defines the source of this relationship
Target Element*	The rule which defines the target of this relationship
Name Key*	The name of the column that contains the name of this relationship
Name Prefix	A namespace that is added in front of the relationship name
Attribute Mapping	Columns that should be added as attributes to the relationship

Finally, for views, the following configurations are available:

Field	Description
Rule Name*	A descriptive name for the rule
Rule Description	A short description of the intention of the rule
Is Active*	Whether or not the rule is currently enabled for the extractor
ID Key*	The name of the column that uniquely identifies this view
ID Prefix	A namespace for when the same ID is shared between multiple views
Name Key*	The name of the column that contains the name of this view
Name Prefix	A namespace that is added in front of the view name
Path	Where the view should be placed in the folder structure of the model
Layout*	The type of layout that should be applied to the view
Attribute Mapping	Columns that should be added as attributes to the view
Elements	The rules which define the elements that should be added to this view
Relationships	The rules which define the relationships that should be added to this view

* = required

When you're done defining a rule, press the 'save' button at the bottom of the rule definition screen. This empties out the form and adds a new rule to rules overview. If you just want to clear out the form without saving the rule, hit the 'clear' button instead.

To edit an existing rule, or to simply view its details, click any rule in the rules overview. This will open the rule definition screen for the selected rule. You can now make changes to this rule, use this rule as the basis for a new rule, or delete the selected rule. To overwrite an existing rule with your changes, press the 'save' button. To save a new rule based on your changes, press the 'save as' button. To delete a rule, press and hold the 'delete' button for 1 second.

When you have created multiple rules, it could be that some rules conflict with others. If this is the case, the rules

overview will indicate this with an icon next to the conflicting rules. When you hover over the icon, there will be an indication of what is going on. Some conflicts will prevent you from extracting a model until you have resolved them.

We recommend saving your rules when you are done defining them. To do so, press the 'save rules' buttons at the top of the rules overview. This brings up a window where you can give your ruleset a name. Hit the 'save rules' button at the bottom of this window to download a file containing all the rules you have defined.

To load a set of rules you previously saved, press the 'load rules' button at the top of the rules overview. This brings up a file explorer window which you can use to locate your ruleset.

When you are satisfied with your current set of rules, and the rules are not conflicting with each other, you can press the 'extract model' button to extract a model from the dataset based on the rules you have defined. This sends your rules and data to our server, where a model will be generated. This might take a while depending on the complexity of the model. A progress bar will indicate the current status. Once the extraction is completed, you will be moved to the final screen.

Review the model

The screenshot displays the Data2Model web application interface. At the top, there is a navigation bar with 'Home' and 'About' buttons, a 'Documentation' link, and a user login 'thijsfrank'. Below this is a teal header with the 'Data2Model' logo and a navigation menu with 'File upload', 'Dataset', 'Suggestions', 'Extractor Rules', and 'Model'. The main content area is divided into two sections: 'Explore' on the left and 'Model view' on the right. The 'Explore' section includes a search bar and a list of 'View paths' such as 'Generated model/Views/flow/site plant A'. The 'Model view' section features a dropdown menu for selecting a view, currently set to 'site plant A - message provisioned material'. Below the dropdown is a diagram showing a hierarchical structure of nodes: 'site plant A' at the top, connected to 'DP plant A', which is connected to 'UC plant A', which is connected to 'Process provisioned material', which is connected to 'Warehouse B'. The diagram includes 'Reset zoom' and 'Toggle fullscreen' buttons. At the bottom of the page, there is a blue footer with 'Copyright © 2019', 'Data2Model', and '0.1.0'.

When model extraction is complete, you can review the generated model in the model explorer. Here you can see all the views that have been generated by the extractor.

Model view

In the dropdown at the top of the page, you can choose which view you would like to display. After selecting a view, it will become visible in the area below. You can zoom and pan the view. You can reset the view to its original position by clicking the reset zoom button. When you click a concept, its associated data will be shown. Additionally, you can toggle the full screen button to hide the other elements of the explorer.

Concept data

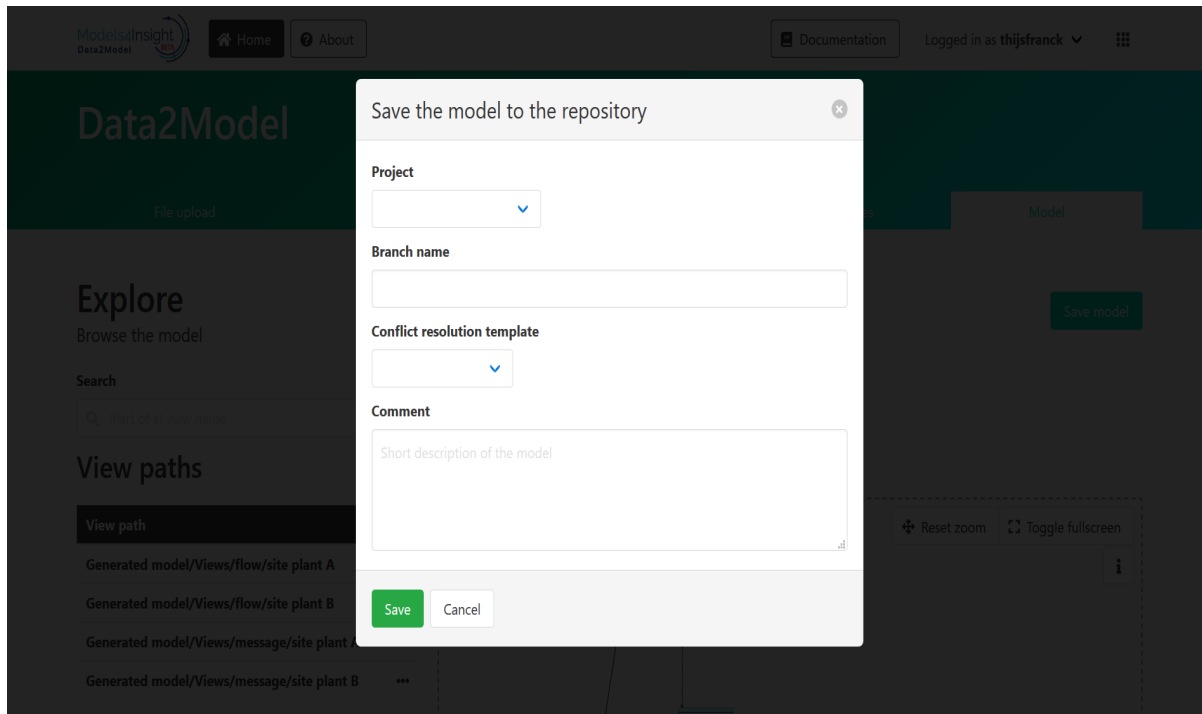
Whenever you click on a concept in the model, the concept data section shows its associated data. The selected concept receives green outline. To unselect, press the concept again. You can also select the relations. If no data is available for the selected concept, a 'no data' message is displayed instead.

Filter

You can use the filter to the left of the model view to find a specific view you may be looking for. This narrows down the list of views in the dropdown menu. You have the option of searching for a view by name. You can also use the organization structure of the model itself to narrow down your selection further.

After reviewing the model, you can either choose to commit the model to the repository if you are satisfied with it, or to alter the rules and extract another model to improve the quality of the extraction result.

Saving the model



To commit the model to the repository, hit the 'save model' button at the top of the model explorer. A window will open which allows you to specify the project to which the model should belong. Once you have selected a project, the available branches will automatically be loaded. Please select either an existing branch from the dropdown menu, or enter a new branch name to create a new branch for the model. Next, please select a conflict resolution template which will be applied in case of a conflict with the previous version of the model. At the moment, it is not possible to resolve these conflicts manually.

Template	Description
Keep repository	De facto nothing changes
Replace repository	Replace the repository head with the new model or source branch
Union keep repository	In case of conflicts, keep repository changes
Union replace repository	In case of conflicts, replace the repository with the new model or source branch

Finally, please enter a description of the extracted model.

When you are done, please hit the ‘Save’ button at the bottom of the window to save the model to the repository. A progress bar will be shown to indicate the status of the commit.

Alter the rules

If you are not satisfied with the extracted model, you can go back to the rules overview to edit your rules. The extracted model remains available for reference.

1.2.6 I have extracted a model, what’s next?

After committing a model to the repository, it becomes part of your project. It is then accessible via the [Models4Insight platform](#). Typical use cases from this point on include downloading the model for manual edits, or merging the extracted model with an existing model to assemble a complete architecture of your organization.

1.3 Models4Insight Consistency Metrics User Guide

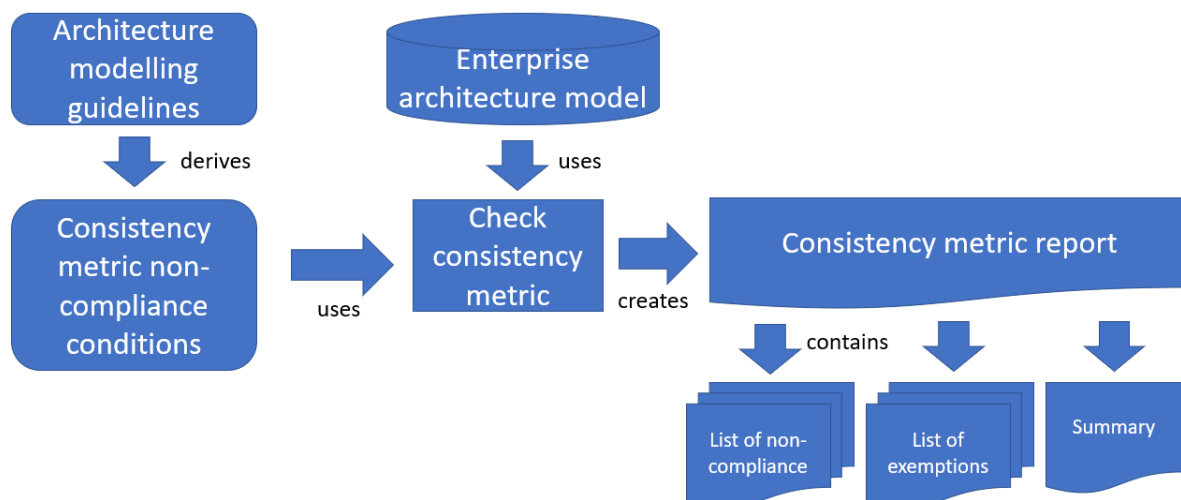
1.3.1 About Consistency Metrics

[Models4Insight Consistency Metrics](#) is an analytics software as a service solution to assess the quality of an ArchiMate model by automatically generating a quality assessment report called **consistency metric report**. Quality of an enterprise architecture model in the context of this service is based on a set of architecture modeling guidelines and reports the compliance of the actual enterprise architecture model (EA model) with these guidelines.

Please note that the consistency of an EA model does not reflect whether or not the enterprise architecture model completely represents the modeled environment. Rather, it reflects whether the EA model that has been constructed adheres to agreed upon best practices structurally.

This guide is intended to help you get started with Models4Insight Consistency Metrics quickly. It describes the basic steps from generating an architecture model quality report, to taking action to improve your architecture model. To be able to apply a consistency check to your EA model, you must have a model uploaded in the Models4Insight Platform.

Key concepts



The basis of the quality report are the best-practice architecture modeling guidelines. You can read more about these architecture modeling guidelines here <ADD A LINK TO THE GUIDELINES DOCS>.

The Models4Insight Consistency Metrics application allows you to easily check the degree to which your enterprise architecture model adheres to these guidelines. It generates a report which lists all cases where your model does not conform with the guidelines in some way. Such a case is called a **consistency metric non-compliance condition**. Please note that some of these conditions are applicable to multiple architecture modeling guidelines and therefore are described as **consistency metrics** related to an architecture modeling guideline.

For every non-compliance condition, the report contains detailed information about the **non-compliant EA model concepts** as well as a summary of the checks performed. This summary contains information about the amount of compliant and non-compliant concepts, as well as the number of exemptions.

An **exemption** can be made for a non-compliance condition, of which an architect has determined that it is an intended violation of a best-practice EA modelling guideline. Exemptions are made on an individual concept basis, and apply only to a single consistency metric. Thus, while the EA model may still deviate a particular modelling guideline, the non-compliance conditions for which exemptions have been made will not show up in the report.

Models4Insight Consistency Metrics integrates with the Models4Insight platform and repository for version management and model persistence. Every version of an EA model stored in the repository can be assessed using the consistency metrics service.

1.3.2 Registration

If you are not already a Models4Insight user, you will need to register first. To do so, please visit www.models4insight.com and click the **register** button.

Clicking the register button takes you to the user registration page where you are asked to provide some personal information. **Note: A username cannot use capital letters, special characters or double spaces.**

Once you have filled in all the information, click on register. You will receive a verification email at the address you provided. You need to verify your registration before you can log in.

You should immediately receive an email from Aurelius Enterprise. The link within is valid for 5 minutes. Check your spam folder if you cannot find the email. If 5 minutes have passed, please click the re-send email button.

1.3.3 Login

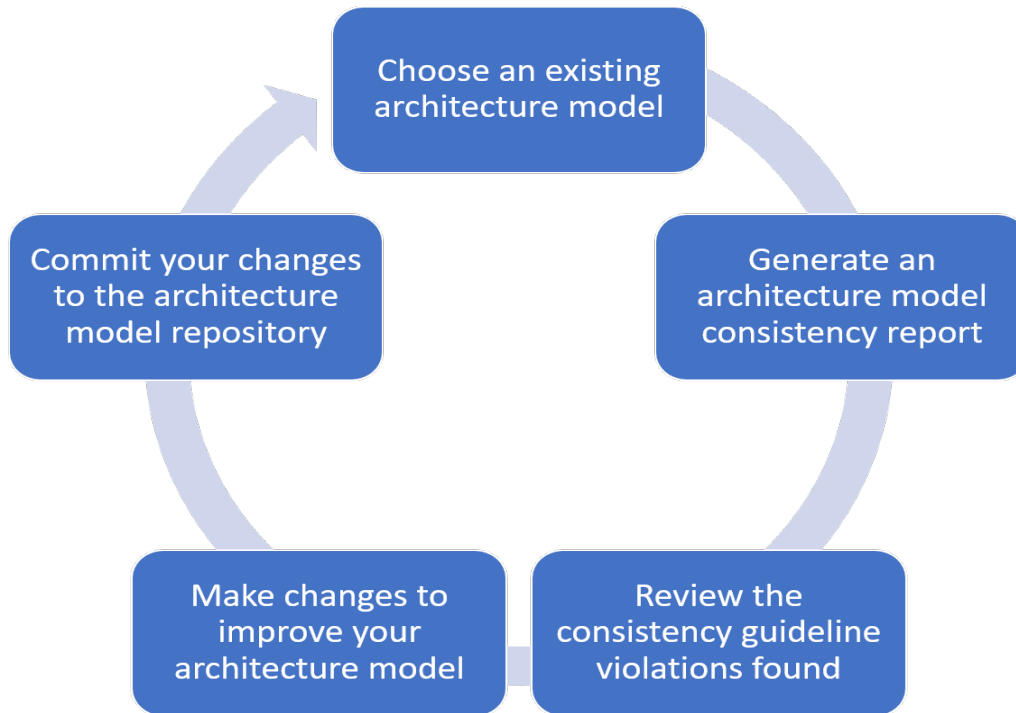
All Models4Insight services use a single sign-on. This means you only need to log in once to use all services. If you are not already logged in, you will be prompted to do so when you initially visit Models4Insight Consistency Metrics.

1.3.4 Installation

If you are a mobile user, or if you are using Chrome, you have the option to install Models4Insight Consistency Metrics as an app on your device. This will add a shortcut to your home screen or desktop, and will allow Models4Insight Consistency Metrics to run as a dedicated app/window. You will find the installation button in the navigation menu.

It is recommended that you install the app if you intend to use Models4Insight Consistency Metrics regularly. You will not miss out on any functionality if you do not install or if you are using a different browser.

1.3.5 Workflow



The basic workflow for Models4Insight Consistency Metrics is as follows:

1. Choose an enterprise architecture model for which you want to make a quality report
2. Generate for the selected enterprise architecture model a consistency metric report
3. Review the consistency metrics non-compliances
4. Make changes to improve your enterprise architecture model based on the results of the consistency metrics analysis
5. Commit your improved enterprise architecture model to the Models4Insight repository via the Models4Insight Platform
6. Run the analysis again to see how the quality of the enterprise architecture model has improved

The remainder of the guide below will take you through each of the above steps in detail.

Choose an enterprise architecture model

The screenshot shows the 'Consistency metrics' application interface. At the top, there is a navigation bar with the 'Models4Insight Analytics' logo, a 'Home' button, and a 'Documentation' button. The user is logged in as 'thijsfranck'. The main heading is 'Consistency metrics'. Below this is a 'Generate a report' button. The main content area is titled 'Generate a report' and contains three dropdown menus for 'Project', 'Branch', and 'Version'. The 'Project' dropdown is set to 'Getting started guide', 'Branch' is set to 'MASTER', and 'Version' is set to '07 Feb 2020, 09:22:14'. A green 'Generate report' button is at the bottom of the form. The footer contains copyright information and version details.

The first step in generating an consistency metric report is to choose the enterprise architecture model on which the report will be based. The model must be selected from the Models4Insight repository, thus three pieces of information are needed to specify the enterprise architecture model:

- To which project the enterprise architecture model belongs
- To which branch the enterprise architecture model belongs
- For which version of the enterprise architecture model you want to generate a report

When you first open the Models4Insight Consistency Metrics application, you will see the ‘Generate a report’ page.

On this page, you are first asked to select the project to which your enterprise architecture model belongs. The select box shows the names of the projects to which you have access. You can see more details by clicking the search button next to the select box.

After choosing a project, the application will present the branches which belong to this project. Please select the branch to which your enterprise architecture model belongs. Again, if you need more information about the branches, click the search button next to the select box.

After choosing a branch, the versions of the enterprise architecture model which belong to this branch will be presented. Finally, you need to select the version of the enterprise architecture model for which you want to generate the consistency metrics report. The list will be sorted in decreasing order of the upload date of the enterprise architecture model. Details for each enterprise architecture model version are available by clicking the search button.

Generate the report

After choosing an enterprise architecture model version, the ‘Generate report’ button at the bottom of the page will light up. When you click this button, you will be redirected to the consistency metrics report page for the enterprise architecture model you have selected.

You can share the URL for the consistency metrics report you have generated with anyone who has access to the same enterprise architecture model version.

Review the consistency metrics report

The screenshot shows the 'Consistency metrics' page in the Models4Insight application. The page has a green header with the title 'Consistency metrics' and two buttons: 'Generate a report' and 'Report'. Below the header, the main content area is titled 'Report' and contains a list of metrics grouped into three categories: PATTERN METRICS, STRUCTURAL METRICS, and TEXTUAL METRICS. The PATTERN METRICS list includes Actor Role Assignment, Cross Layer Associations, Cycles, Equipment Facility Assignment, Facility Structure, Locations Representation, Material Flow, Process Event Flow, Process Junctions, Single Trigger Flow, Tree Structures, and Unconnected Junctions. The STRUCTURAL METRICS list includes Trigger Context, Unconnected Elements, and Unused Elements. The TEXTUAL METRICS list includes Sentence and Copy Text. A message in the center of the page reads 'Please select a metric to view the report.' The footer of the page is blue and contains the text 'Copyright © 2020', 'Models4Insight Consistency Metrics', and '2.0.5#97d5bbc'.

Once you have selected an enterprise architecture model and generated a report, you can now browse through the related consistency metric report to learn about the consistency of your enterprise architecture model.

On the left side of the page is a table of contents which shows all available consistency metrics and their grouping into different consistency metric categories. These metrics are:

Metric	Category	Description
Actor Role Assignment	Pattern	These relationships are not assignment between business actors, business roles and business processes, thus non compliant
Copy Text	Textual	These elements were copied but still include “(copy)” in their label
Cycles	Pattern	The set of elements connected via aggregation or composition relationships that form a cycle
Equipment Facility Assignment	Pattern	These relationships are not assignment between equipment and facilities, thus non compliant
Facility Structure	Pattern	These relationships are not aggregation/composition/realization between facilities and facilities, thus non compliant
Process Event Flow	Pattern	These relationships are not triggering between events and processes of the same type, or events and junctions, thus non compliant
Process Junctions	Pattern	These relationships are not triggering/aggregation/composition between similar-type processes or triggering/flow between processes and junctions, thus non compliant
Process Trigger Flow	Pattern	These elements connect to multiple in- or outgoing, flow or trigger relationships
Sentence	Textual	The names of these concepts are not structured as a sentence
Single Trigger Flow	Pattern	These process steps trigger other process steps at different abstraction levels in the model
Tree Property	Pattern	The child elements connect via aggregation or composition to more than one parent, and thus violates the tree property
Trigger Context	Structural	These process steps trigger other process steps at different abstraction levels in the model
Unconnected Elements	Structural	These elements are not connected to any other elements
View Based	Structural	These elements are not used in any ArchiMate Views

By clicking on each of the consistency metric categories (the blue headers), you will get an overview of all underlying consistency metrics and a summary of their results. By clicking on a specific consistency metric in the table of contents, you will see the detailed results for that metric specifically.

The screenshot shows the 'Consistency metrics' report interface. The main content area is titled 'Junctions Rels' and displays a table of non-compliance items under the 'Junction Relation Type Similarity' metric. The table has the following data:

Junction ID	Junction type	Junction relationship types	Action
id_6f549478-2f15-474b-9dc3-c05d3435438e	Or Junction	Flow, Association	+ Add exemption
id_47d1b487-fae-4603-a787-6f21412c202c	Or Junction	Triggering, Association	+ Add exemption
id_d7559a6a-54df-4744-b14a-f7610c8e1718	And Junction	Triggering, Association	+ Add exemption
id_81c9f5ac-d60d-4c54-a36b-a3e526927ceb	And Junction	Flow, Association	+ Add exemption
id_86579f8e-2393-4696-998c-7a4af54c89ae	Or Junction	Flow, Association	+ Add exemption

When you first open a consistency metric, you will see a table listing all concepts in the model which do not comply with the consistency metric conditions. For every concept, the table will show what has been determined to be the non-compliance. Now you have three options:

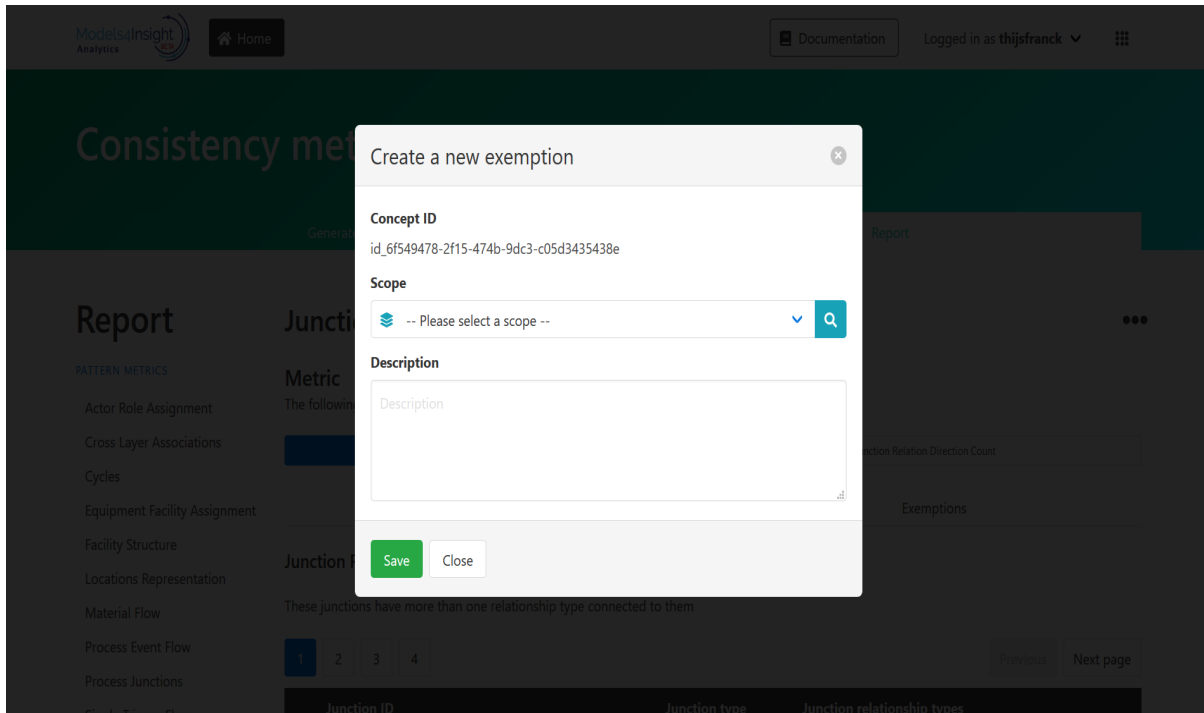
1. You try to solve the non-compliance by modifying the enterprise architecture model
2. You create an exemption for this specific non-compliance, thus, this non-compliance will not be shown in a new version of the consistency metrics report
3. You ignore the non-compliance without creating an exemption, thus, this non-compliance will be presented in a new version of the consistency report

The section 'Improve your model' covers how to solve a non-compliance by modifying the enterprise architecture model. In the following the management of exemptions is discussed.

Exemptions

There may, however, be reasons why you do not want to change your enterprise architecture model. For example, the consistency metrics check marks the name **MES**, which stands for Manufacturing Execution System, not compliant for concept labels. However, the abbreviation MES is a technical term, which all users of the model recognize and would write the same way. In this case, you make a conscious decision to deviate for this concept name from the architecture modeling guidelines and therefore add an exemption for the MES concept. As a consequence, the MES concept will no longer be recognized as a non-compliance for the naming of concepts metrics.

You add an exemption by clicking the 'add exemption' button. A window will open, asking you to provide some details on the exemption.



You need to choose whether to exempt this case from the check for this version of the enterprise architecture model, for the branch the project, or for the entire project:

Exemption Scope	Description
This project	This exemption should apply to the whole project
This branch	This exemption should apply to the current branch
This version	This exemption should apply to the current version

Once you have selected a scope, you need to add a short description of why you have made the exemption. Afterwards, click 'Save' to save the exemption, which will also close the window.

The screenshot shows the 'Consistency metrics' dashboard. The left sidebar lists various metrics under three categories: PATTERN METRICS, STRUCTURAL METRICS, and TEXTUAL METRICS. 'Unconnected Junctions' is selected. The main area displays the 'Junctions Rels' metric with an 'Exemptions' tab active. A table lists exemptions with columns for Junction ID, Junction type, Junction relationship types, Description, and Scope. One exemption is visible with ID 'id_6f549478-2f15-474b-9dc3-c05d3435438e' and description 'This is an exemption f...'. The footer contains copyright information and version numbers.

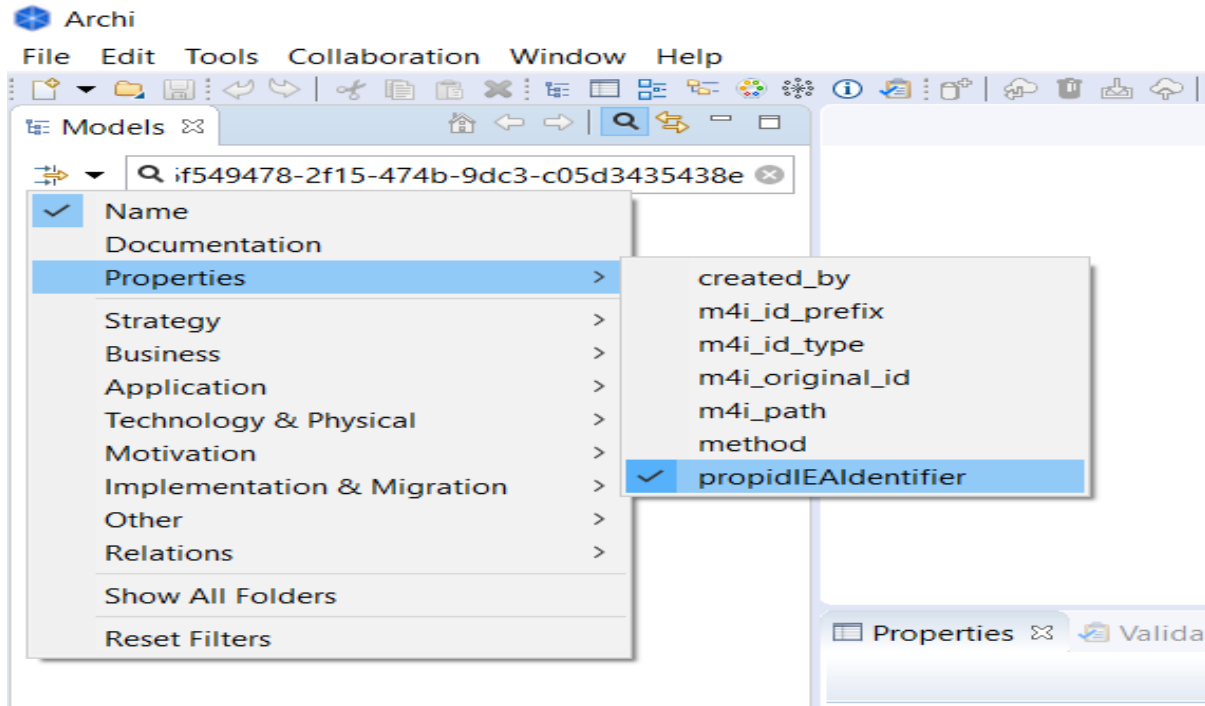
You can see the exemption that you have created, along with any other ones that apply to the current metric, by looking at the 'Exemptions' tab. Here, you can edit the exemptions you have created, or delete them.

Improve your enterprise architecture model

If you have found a non-compliance which you want to resolve, the next step is to change the enterprise architecture model accordingly. If you have not yet downloaded the model, you can do so now by hovering over the three dots on the top of the consistency metrics report page and clicking 'Retrieve the model'.

Next, open your enterprise architecture model in Archi.

Finding the right concept in the model



Once you have opened the enterprise architecture model, you need to find the concept in the model to which the non-compliance belongs. The report shows an ID for every non-compliance. This ID corresponds with a concept in the enterprise architecture model.

To find the right concept in the enterprise architecture model using the concept ID, you can use the Archi search function. First, copy the concept ID from the report to your clipboard. You can do so by clicking the copy button in the corresponding row.

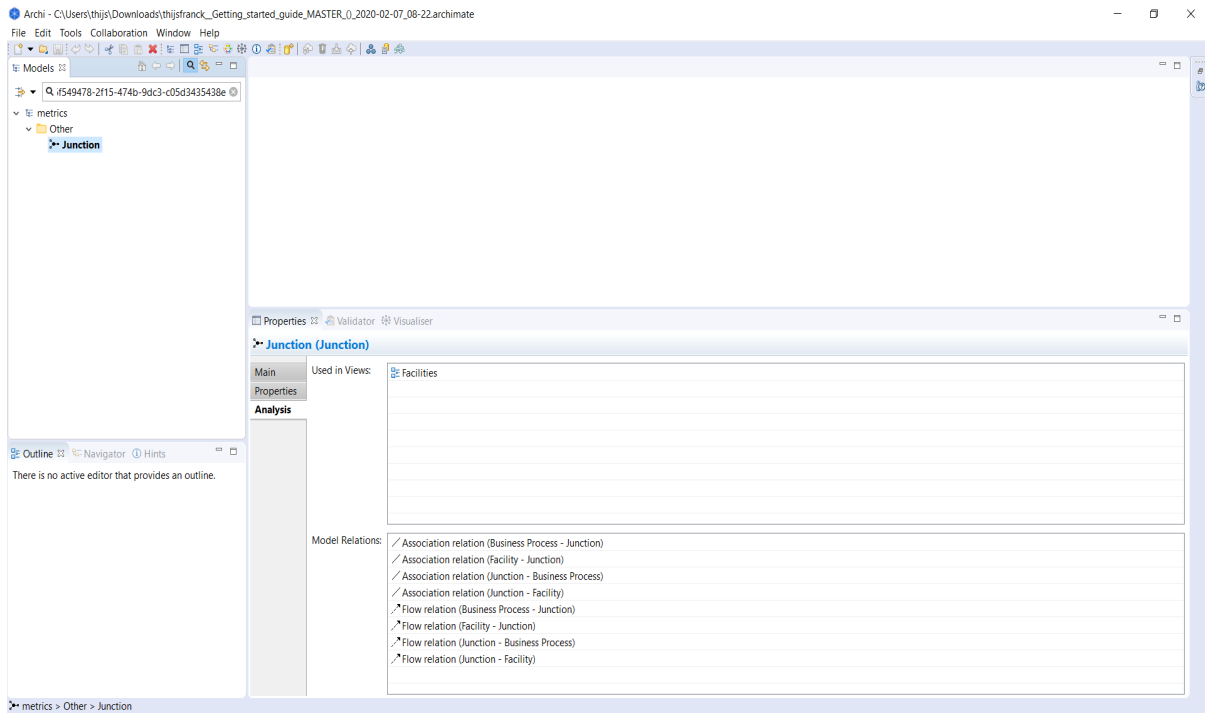
Next, open the model browser in Archi. This is typically the left-most section of the window. It shows the folder structure of your model, along with all the concept and views in it. At the top of this section is a search button that has a looking glass icon. Click this button to open the search bar.

To the left of the search bar is a button that allows you to specify what you are searching for. You need to tell Archi that you are looking for a concept ID. To do so, make sure the 'properties -> propidIEAIdentifier' setting is enabled. An enabled setting has a check-mark next to it.

Once you have enabled the correct search option, you can paste the concept ID from your clipboard to the search bar. Now Archi will show the concept in the model that corresponds with the given ID. This can be an element, a relationship, or a view.

Fixing the issue

Once you have found the right concept, you can now make changes to your enterprise architecture model to fix the non-compliance.



To begin, select the concept in the Archi model browser to bring up the 'Properties' section on the bottom of the window. This section allows you to already change basic properties such as the name of the concept, and also allows you to find related elements, relationships and views.

To find out which elements, relationships and views are related to the concept, open at the analysis tab.

This tab has a 'Used in views' section which lists all related views. Double click the view name in the table to open it.

For enterprise architecture model elements, the analysis tab also has a 'Model relations' section which allows you to drill down on the connected relationships.

The required changes dependent on the consistency metrics reporting the non-compliance. Some suggestions are provided in the detailed documentation of the individual metrics.

Fixing the next issue

Once you are done fixing a non-compliance, you can move on to fixing the next non-compliance, following the same steps as described above. Repeat this until you have no more non-compliances left, or you are otherwise satisfied with the non-compliances you have fixed.

Commit your changes

Once you are done making changes to your enterprise architecture model, you can commit it to the Models4Insight repository via the Models4Insight Platform. Open the project to which your enterprise architecture model belongs. You can open your project easily by hovering over the tree dots at the top of the report page, and clicking 'Open the project'.

Next, commit your model via the 'Upload a model' tab. If you are committing to an existing branch, you will be asked to resolve conflicts with the previous version. By choosing the 'upload only' conflict resolution template, you apply all the changes you have made to solve the non-compliance issues.

Create a new consistency metrics report

To see the effect of the changes you have made, you can generate another consistency metrics report on the new version of the enterprise architecture model you have committed. It is possible that your changes had unintended ripple effects in the enterprise architecture model. The consistency metrics report will help you figure these out.

To generate the new report, follow the steps as described above, but now select the new version of your enterprise architecture model on the 'Generate a report' page.