DOTNET AREA 2017
HOW TO ADD MODULES/AREAS
DOCUMENTATION

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1. Introduction

This document's purpose is to explain to a developer the necessary steps to implement a new module on the AREA web application.

2. Database

The first step is to add the new area information in the database. In the AreaType table, the developer must add a new entry corresponding to the new module, with the image, description and redirection url to enable or disable the module. These informations are required as they will be used on the ManageArea page to present the Area, and make enabling/disabling possible.

3. Web service access

If the new area uses a web service (module) not yet present on AREA, it is necessary to add in the "Connection" page, a link that will allow the user to authorize access to this particular web service account. This controller will perform the same actions as for the existing web services present: make the user manually connect/authorize access once and then save the access token(s) in the database.

4. Area creation

The developer must add a controller that will handle the creation of the module. This consists in verifying that the necessary tokens exist in the database, and then creating a new entry in the area table, with the corresponding id (the id of the previously created AreaType).

5. Area class & run implementation

Finally, the developer must create a new class implementing the IArea interface. This class will be used to actively run the module: using the saved tokens in the database, it will watch the action part of the module to see if any new occurred, and if so, make the appropriate reaction.

Once the class is created, it must be added in the AreaFactory create method, so that this appropriate new class can be created when reading its type from the area table.