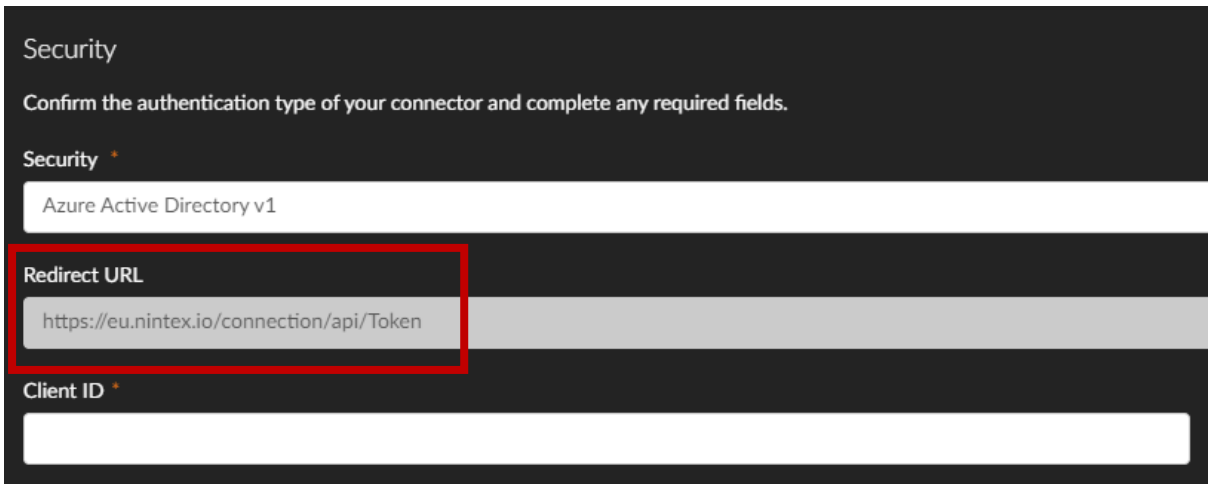
MS Teams Extender

An extender that uses Microsoft Graph API to add additional MS Teams interactions to NWC, this extender only exposes a subset of the functionality available in the Microsoft Graph API. For queries, feel free to get in contact.

Create AAD App Registration

1. Follow the quickstart article to create an App Registration to be used to manage you MS Graph permissions
2. Use the redirect URI that is given when creating a new Xtension on NWC



3. Copy the Client ID (Application ID on the Overview page) and the Client Secret (on the Certificates & secrets page) and use these in your Xtension
4. Grant the application the following permissions (both delegated & application where needed):

   User.ReadWrite.All
   TeamsTab.ReadWrite.All
   TeamsTab.Create
   TeamsTab.ReadWrite.All
   ChannelMessage.Send
   ChannelMessage.Read.All
   Group.Read.All
   TeamMember.Read.All
   ChannelMember.ReadWrite.All
   Channel.Delete.All
   Channel.ReadBasic.All
   Channel.Create
   Team.ReadBasic.All
   TeamSettings.Read.AllTeamSettings.Read.All
   TeamSettings.ReadWrite.AllTeamSettings.ReadWrite.All

Methods

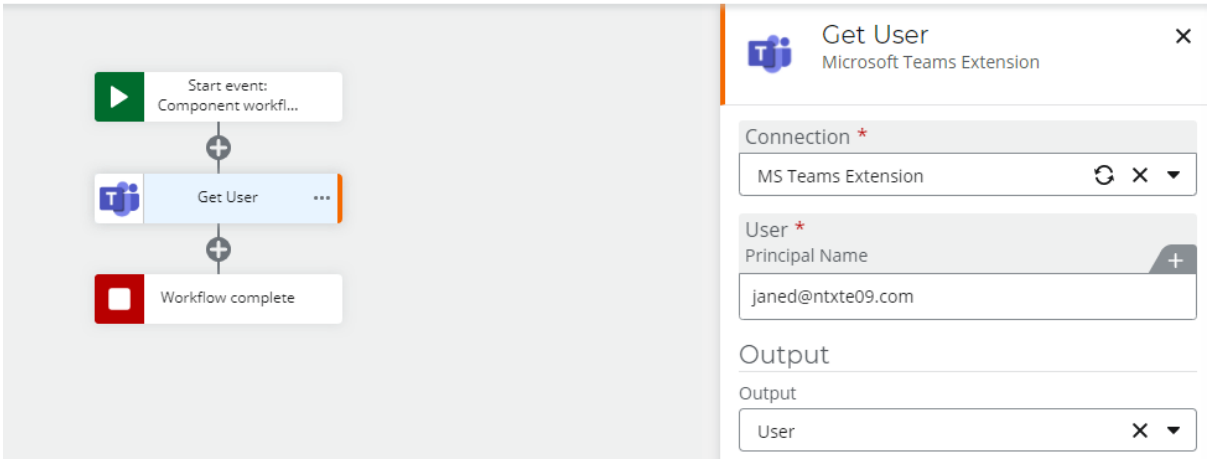
Method	Description
Add Channel Member	Add users to a private channel
Create Document Library Tab *Create Excel Tab* *Create OneNote Tab* *Create PDF Tab* *Create PowerPoint Tab* *Create SharePoint Tab* *Create Website Tab* *Create Word Tab*	Create a tab in a channel
Create a Channel	Create a standard or private channel
Delete Channel	Move a channel to the recycle bin (to be removed after 30 days)
Delete Tab	Remove a tab
Get Channel	Retrieve information for a specified channel
Get Channel Files Folder	Get the corresponding SharePoint Files folder of a channel
Get Channel Messages	Return all root-level messages
Get Channels	Retrieve all channels in a team
Get Tabs	Retrieve all tabs in a channel
Get Team Members	Retrieve a collection of all members of a team
Get User	Retrieve information on a specific user
Send Adaptive Card	Send a Teams Adaptive Card (see Cards Reference)

Usage

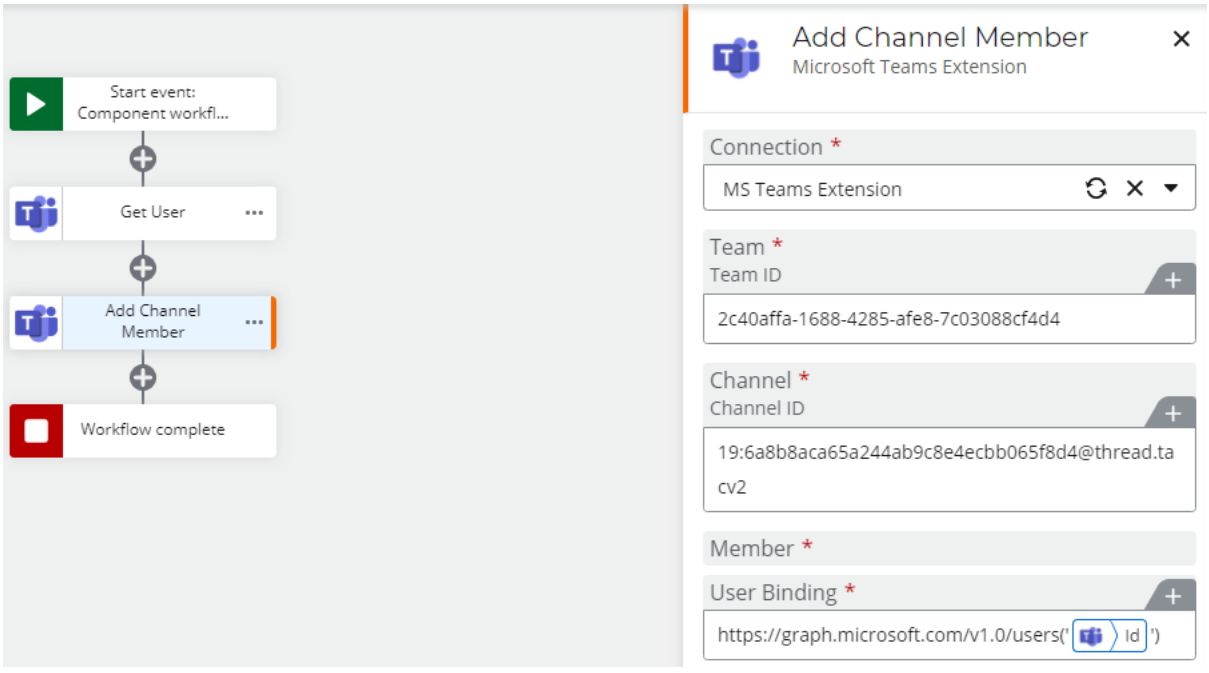
Note: Only select methods are listed due to complexity of setup

Add Channel Member

1. Get the user ID by executing the Get User step and providing the principal name and specifying an output variable:

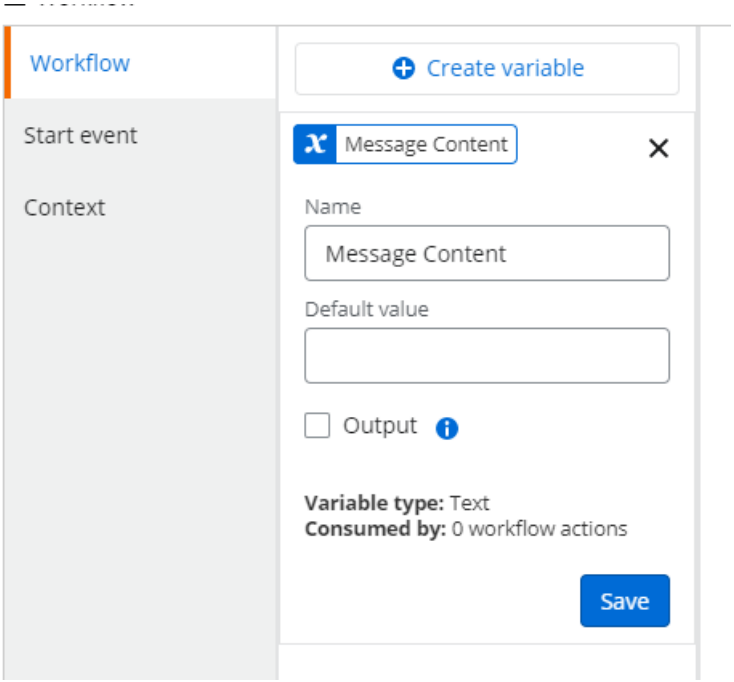


2. Execute the Add Channel Member step, provide a Team ID, Channel ID (this method only works on a **private channel**), and replace the {user_id} text in the User Binding field with the Id field of the Get User step's output object



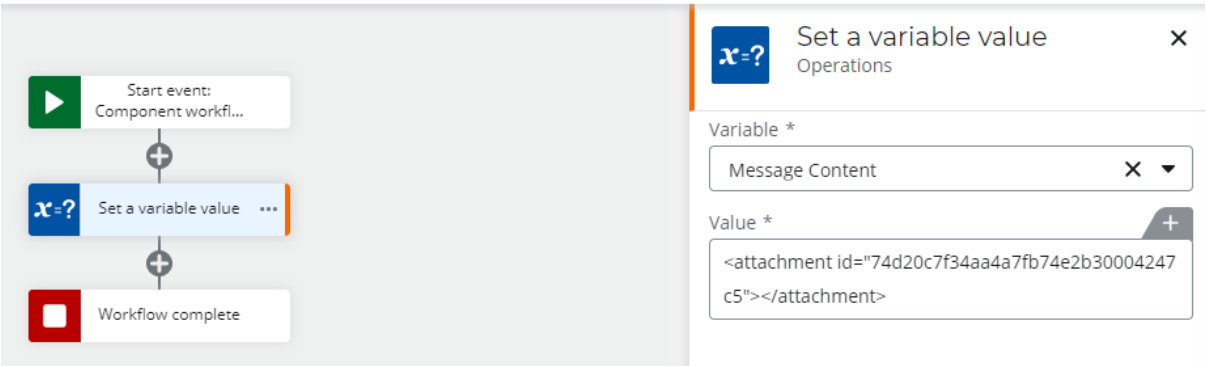
Send Adaptive Card

1. Visit https://adaptivecards.io/designer/ and create your adaptive card (change the Host App to MS Teams to get the correct schema version). Copy the payload for later use
2. Create a variable in your workflow called *Message Content*



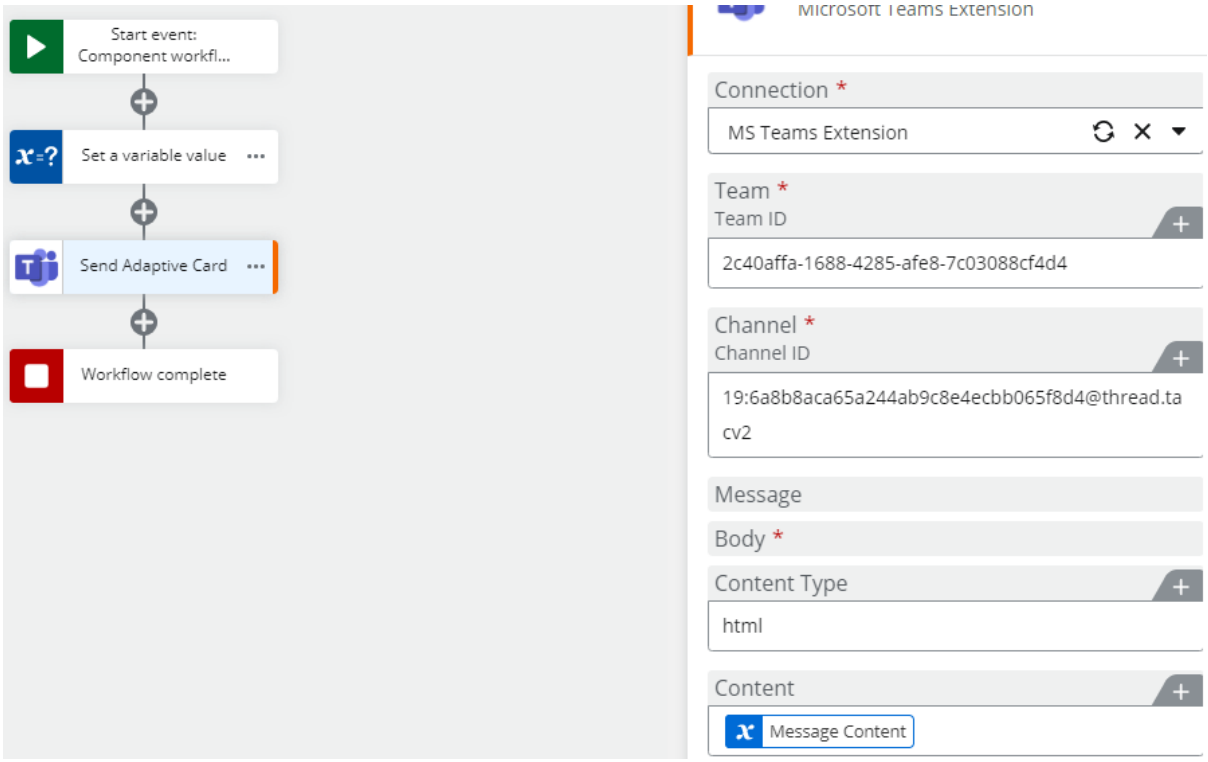
3. Add a “Set a variable value” step to your workflow and pass the following value to the variable you created:

<attachment id="74d20c7f34aa4a7fb74e2b30004247c5"></attachment>



Note: The ID value can be any value as long as it corresponds to an attachment in the step below.

4. Add the “Send Adaptive Card” step and configure the Team ID and Channel ID. Add *html* as the Content Type and the variable we created in step 1 to the Content field. Optionally you can add a subject to your message as well.



5. Click on the *Add item* link under Attachment and paste the id of your attachment markup as in step 3. For Content Type use *application/vnd.microsoft.card.adaptive* (or you can use different schemas given in the Card Reference documentation link above) and paste the payload of the card you created in step 1