M365 Teams Policy Report and Update Readme

Overview

Reports and updates Teams External Access Policies that aren't (yet) visible in the admin center.
Update M365 Teams Policies in bulk via csv file.

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M365TeamsPolicyUpdate.ps1

Bulk actions in M365
See Readme for more info.

CSV: M365TeamsPolicyUpdate.csv (1 entries)

GroupNameOrEmail            GroupPolicyName     NonGroupPolicyName GlobalExternalAccessDefault
----------------            ---------------     ------------------ --------------------------
Allow External TeamsMessaging TeamsExternalAccess Blocked            FALSE

 -------------------- Get-CsExternalAccessPolicy (Shows this org's policies)

 Identity                      EnableFederationAccess EnableTeamsConsumerAccess
 --------                      ---------------------- -------------------------
 Global                                         False                     False
 Tag:TeamsExternalAccess                         True                      True
 Tag:TeamsExternalAccessBlocked                 False                     False
 Tag:FederationAndPICDefault                     True                      True
 Tag:FederationOnly                              True                      True
 Tag:NoFederationAndPIC                         False                      True


 Checking policy 'Global' ... False (Already OK)
 Checking policy 'TeamsExternalAccess' ... True (Already OK)
 Checking policy 'TeamsExternalAccessBlocked' ... False (Already OK)
 Checking Group 'Allow External TeamsMessaging'...Checking members ... 38 Members
Pass 1 of 2 [allow policy] ----- 2 of 38:
Pass 2 of 2 [block policy] ----- 1 of 165:
User Count: 335 [All users]
User Count: 287 [UserType=Members (vs Guests)]
User Count: 229 [AccountEnabled=True]
User Count: 193 [Not group members]
User Count: 165 [Licensed]
```

How it works

Use this code in 2 phases to report on, then update the Teams *ExternalAccessPolicy* for your users.

The assumption is that, in general Teams chats to outside companies and individuals is blocked. The code checks a certain group of users and switches them to allowed. All other users are switched to blocked.

Phase 1: Report

Run the *M365TeamsPolicyReport.ps1* (or .cmd) and enter your admin credentials.
This will output a CSV file containing your users and the policies they have been assigned.

- Only Enabled accounts are reported. Only members are reported (vs guests).
- By default, no policy might be assigned (aka *Global* or *<none>*).
- For Teams users, the default policy seems to be *FederationAndPICDefault* which allows external access at the user level. (see below)

Phase 2: Update

	A	B	C	D
1	GroupNameOrEmail	GroupPolicyName	NonGroupPolicyName	GlobalExternalAccessDefault
2	Allow External TeamsMessaging	TeamsExternalAccess	Blocked	FALSE

Edit the CSV file *M365TeamsPolicyUpdate.csv.* If you don't have one, it will be created on first launch.

GroupNameOrEmail	Change *Allow External TeamsMessaging* to be whatever you have called the allow group. The group must exist. The suggestion is to make it an (optionally mail-enabled) security group.
GroupPolicyName	The policy will be created if it doesn't exist. Two policies are created: <*GroupPolicyName*> will be the allow policy, <*GroupPolicyName*>*Blocked* will be the block policy. Group members will have the allow policy applied. Non-group members will get the blocked policy.
NonGroupPolicyName	Non-group members will get this policy. Use one of these keywords: *Global*: any policy will be removed (returned to Global) *Blocked*: set the policy to whatever the blocked policy is. Anything else: This policy name will be used
GlobalExternalAccessDefault	FALSE The program will check the Global policy setting (for people that have no policy) and change it to this

In the update phase the code run the *M365TeamsPolicyUpdate.ps1* (or *.cmd*) to make your updates. It will do the following actions.
Note: The program allows you to step through each user if you want to go slowly.

Note: There is an issue with the policy assignment operations where it will begin to fail after 50. That is because the assignments are jobs that are queued for a minute or two. A future version should add everyone in one bulk batch. For now, you can just re-run it and it will pick up the next 50 until it is completed.

- Checks and changes the default policy (internally called *Global*) is FALSE (can be changed in the settings CSV file) and will check and prompt to update the default policy if it is set differently from the setting.
- It will check for the custom *GroupPolicyName* (TeamsExternalAccess) and create it if it doesn't exist. Also, it will create the *Blocked* version of the policy.
- It will loop through the group members and assign the *allow* policy.
- It will loop through the non-members and assign the *block* policy.

Notes from Microsoft

According to Microsoft, to control **Teams External Access** at the user level:
Microsoft: IT Admins - Manage external meetings and chat (link)

- The company must allow it at the company level. The company may select *all domains* or specify *approved* or *blocked* domains. This can be adjusted in the Teams Admin Center.
  Teams Admin Center > Users > External Access (link)
  `Get-CsTenantFederationConfiguration`
- User-level policies would then apply. These can only be viewed through PowerShell.
  `Get-CsExternalAccessPolicy`
  `Grant-CsExternalAccessPolicy`
  - The default user-level policy that most people have (called `Global`) allows it, so it should be set to *False*.
  - Some people may have the user-level policy `FederationAndPICDefault` policy which is set to *True* and cannot be changed. You can set them back to Global by using the grant command with policy name $null.

You can tell it's blocked by policy if your users see this: