

# Self-hosted Linked integration runtime limits

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## Issue : TooManyLinkedIntegrationRuntime - Linked integration runtime limits

Customer exhausted limit of Maximum number of linked integration runtimes that can be created against a single self-hosted integration runtime. And wants to increase it.

Context : Customer in this case had lot of on-premises data sources, they also has multiple environments and they need to create a lot of data factories. Customer's whole data platform design resolves around creating ADFs that are solely focused on a specific data set for a specific data source. And for the same purpose, customer has to create the linked SHIR.

Error code : Error Code: TooManyLinkedIntegrationRuntime Error Message: You have reached the maximum limit for the number of linked integration runtime per shared integration runtime. Typically this number is 100. You can contact the owner of shared integration runtime 'orb-wsatkins-ir' to request Microsoft customer support if you would like to increase this limit.

## Mitigation

### FAQs :

#### 1. Is the limit per data factory? Or per IR?

Ans: The limit is per physical IR specific.

#### 2. What is the current limit of Linked SHIR?

Ans: We can set customer's expectation on 300 for current hard limit.

#### 3. What process to follow to engage correct PG for the limit increase request?

Ans: CSS needs to collect business justification and then create an ava request using below format, the SME will involve correct PG if needed.

#### 4. How to raise limit increase request?

Ans: Use below format in your ava request



Field	Value
Factory Name:	
Subscription ID:	
Region:	
IR Names - physical SHIR (not linked IR):	
New Limit value:	

## Public Doc Reference

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/azure-subscription-service-limits#data-factory-limits> 

<https://github.com/MicrosoftDocs/azure-docs/blob/main/includes/azure-data-factory-limits.md> 

## Internal Reference (optional)

- Ava Thread - <https://teams.microsoft.com/l/message/19:768c7b4fcda64cd3acc29bc91eb98bfc@thread.skype/1634030785151?tenantId=72f988bf-86f1-41af-91ab-2d7cd011db47&groupId=97f0bf0e-fe36-422a-9083-3e59230b5715&parentMessageId=1634030785151&teamName=ADF - CSS Collaboration&channelName=General&createdTime=1634030785151> 
- TSG: [https://supportability.visualstudio.com/AzureDataFactory/\\_wiki/wikis/AzureDataFactory/358100/How-to-handle-increase-limit-and-quota-requests](https://supportability.visualstudio.com/AzureDataFactory/_wiki/wikis/AzureDataFactory/358100/How-to-handle-increase-limit-and-quota-requests)
- Reference ICM: <https://portal.microsofticm.com/imp/v3/incidents/details/181148079/home> 

## Additional Information

- Icm References: 181148079
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