

# Whitelist IPs used by Custom Activity in customer's self-hosted data stores

Last updated by | Ranjith Katukojwala | Mar 7, 2023 at 11:35 AM PST

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## Issue

Customer want to use ADF Custom Activity to run some customized logic against their self-hosted data stores, and customer want to add the IP ranges used by Custom Activity into the whitelist of their data stores.


## Resolution


Today customer can specify to run their Custom Activity on Azure Batch Pool or HDInsight Cluster.

### Azure Batch Pool

- Region of provided Azure Batch pool is suggested to be the same as the region of Data Factory (to reduce the network communication latency), but NOT required
- Your custom activity will be executed in Azure Batch as configured, so if your custom activity need to access FTP server, you need to configure the FTP Server Firewall setting to allow connection with related Azure Batch pool

Hence, you need to whitelist the region of provide Azure Batch pool in your FTP server.

In terms of the IP range list <https://www.microsoft.com/en-in/download/details.aspx?id=41653> , it contains IP addresses of Compute (VM, Azure Batch, Cloud Service, etc.), SQL DB and Storage. There is no specific IP ranges list of Azure Batch, my wild guess is that those services (Compute, SQL DB, Storage) are sharing the same physical infra, and machine instance/node within that infra could be either Compute, or SQL DB, or Storage, so those services are sharing the same IP range list.

To conclude, please download the IP range list <https://www.microsoft.com/en-in/download/details.aspx?id=41653> , and whitelist IP ranges belongs to the region of your configured Azure Batch pool.

## Additional Information:

- **Icm References:** <https://icm.ad.msft.net/imp/IncidentDetails.aspx?id=34337066> 
- **Author:** xiaoyz
- **Reviewer:** vimals
- **Keywords:**

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