ARM limit of 800000 characters or 1048576 bytes exceeded in parameters

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Issue description

Customer facing below error

Error while publishing: Cannot proceed because the resource [concat(parameters('factoryName'), '/pipeline1')] exceeds the limit of 800000 characters in an ARM template

or

The provided parameters (in json representation) are too long (1567981 bytes); it cannot exceeds 1048576 bytes

Cause

The error occurs because the ARM template has a limit of 800000 characters or 1 MB for the pipeline parameters. if this limit is exceeded an error is thrown like above

Resolution

You can add the data to a file and store in the Azure blob storage (or any place from where you could use lookup activity to look up the data) and look up the data using the look up activity, and consume the output of the lookup activity as a parameter in your pipeline. Also note that lookup activity output has a limitation of 4 MB