

## Base64

### Description

**Base64** allows you to encode/decode data to/from base64.

Base64 encoding schemes are commonly used when there is a need to encode binary data, especially when that data needs to be stored and transferred over media that are designed to deal with text. This encoding helps to ensure that the data remains intact without modification during transport. Base64 is used commonly in a number of applications including email via MIME, as well as storing complex data in XML or JSON.



### Compatibility

Switch 2020 Fall or higher.

### Connections

Base64 has traffic light outgoing connections for success and for error. Error log contains an error message. Success log contains the processed data.

### Use cases

- Communicate with some web services
- Embed an image in an HTML without hosting it
- Decode file embedded in a XML or a HTTP response

## Flow element properties

- **Mode**

Where the data to process comes from.

Possible values:

- File
- String

- **String to process**

String to be encoded or decoded.

- **Encoding**

Encoding used in the file to process. Choose “binary” if the input file is a PDF, an image, or any non-text file.

- **Action**

Whether to encode or decode the input data.

Possible values:

- Encode
- Decode

- **Write to private data**

If the result should be written in a private data key.

You should use this property if the result is text based.

Note that there is a limitation to the size of the private data you can write. So you better not use it to process large data.

- **Private data**

Private data key where the result will be written.

- **Write to log**

If the result should be written in the output success log.

You should use this property if the result is text based.



- **Write to file**

If the result should be written in a file.

- **File name**

Name of the file where the result will be written.

- **Content**

Choose "Result" if you want to write the processed data to the file without any change.

- **Output Content**

Specify the content you want.

Use "%result%" as a substitute to refer to the processed data.

This property can be useful if the output is a text based file.

- **Encoding**

Encoding used in the written file. Choose "binary" to write a PDF, an image, or any non-text file.

## Example flows

### Encode



### Decode

