



Signiant FlightReport Component Guide

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Introduction



The FlightReport component generates and emails a report summarizing the results of a Flight file transfer, whether via the FlightUpload or FlightDownload component.

Functional Description

The FlightReport component works very much like the Signiant JobReport component, but it has been customized to provide information specific to Flight transfers.

Summary statistics are passed as inputs to the component via outputs from either a FlightUpload or FlightDownload component. The FlightReport component also looks for the presence of a delivery log file on the Manager associated with the current job run and, if found will include the list of transferred files in the report.

The report is in HTTP format and can be emailed to multiple recipients as To: Cc: and Bcc: recipients.

The FlightReport component executes on the Manager.

Component Inputs

This section describes the input properties of the FlightReport component.

Category: Report Options

Name	Required?	Default Value	Description
Email To	Yes		Comma-separated list of email addresses to which the Flight report is to be sent.
Email Cc	No		Comma-separated list of email addresses to which the Flight report is to be CC'd.
Email Bcc	No		Comma-separated list of email addresses to which the Flight report is to be BCC'd.
Email Subject	No		Email subject. This will be automatically set if blank.
Report Versions to Maintain	Yes	0	The number of Flight Reports to maintain online for each job. "0" means to maintain no copies online after the report has been emailed.
Reporting Timezone	No	GMT	The timezone in which the date/timestamps in the report should be displayed.

Category: Flight Statistics

Name	Description
Transfer Direction	The direction of the transfer.
Transfer Server	The actual Flight server FQDN that was used for the transfer.
Transfer State	The final state of the transfer (e.g. COMPLETED/FAILED).
Transfer Protocol	The protocol used for the transfer. One of UDP, TCP, or HTTP.
Transfer Duration	The duration of the file transfer in seconds.
Transfer Restarts	The number of restarts required for the transfer (normally 0).
Transfer Rate Average	The average network transfer rate from the Signiant agent (Signiant Flight client application) to the Signiant Flight server in bits per second.
Transfer Rate Maximum	The maximum network transfer rate from the Signiant agent (Signiant Flight client application) to the Signiant Flight server in bits per second.
Filesize Average	The average filesize of all files actually transferred.
Filesize Maximum	The maximum filesize of all files actually transferred.
Bytes to Transfer	The combined size of all the source files in bytes.
Bytes Transferred	The actual number of bytes transferred.
Total Files to Transfer	The total number of source files to transfer.
Transferred File Count	The number of files actually transferred.
Skipped File Count	The number of files skipped because they were already at the target.
Failed File Count	The number of files that failed to transfer.

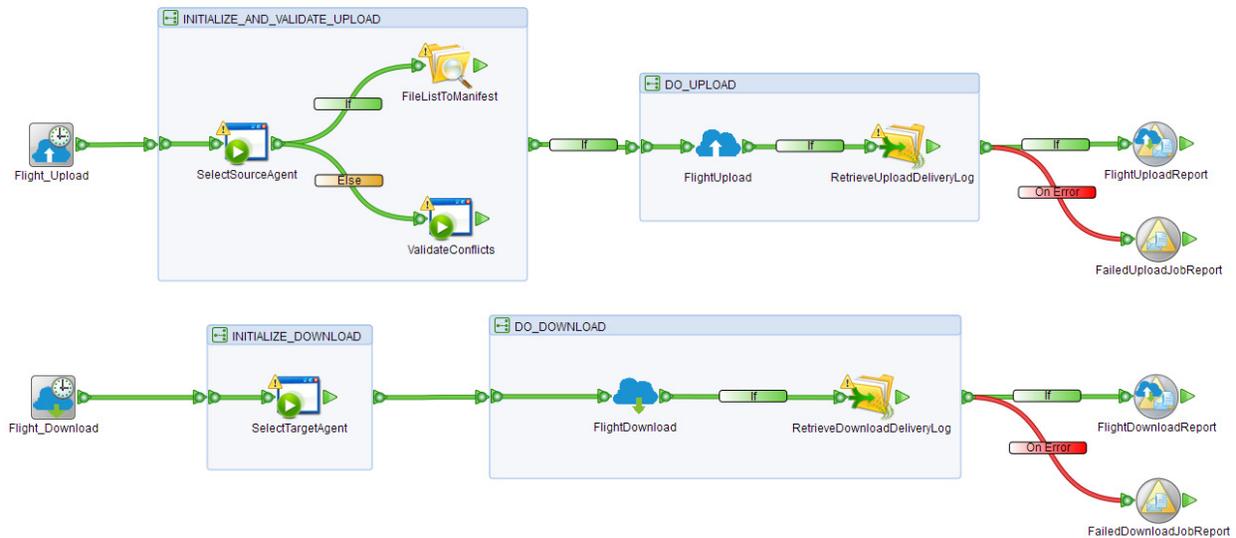
Component Outputs

Category: Component

Name	Description
Report File	Full path of saved online copy Flight Report.
Return Code	Set to zero if all files were transferred correctly. Set to non-zero if any errors were occurred.
Return Message	A short message indicating the overall result of the component.

Reference Workflows

The following illustrates the reference workflows that utilizes the FlightReport component.



Logging

All errors and debugging information is written to the job log.

Error Handling

Any errors encountered during execution of this component will result in the component exiting in failure. The Return Code output will also be set to a non-zero value, and the Return Message output will include a description of the failure.

External Communications

The FlightReport component uses a Signiant utility called `dds_sendmail` which in turn communicates with mail server configured on the Signiant Manager.

External Setup

It is assumed that an existing and functioning mail server has been configured on the corporate network and that the Signiant Manager has been configured with the hostname of that mail server under "Administration / Manager / Email Notification."

Supported Platforms

This component always executes on the Manager. All supported Manager platforms are valid.