

## RENware ALPHA-REN System

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# Outgoing (channels)

Product 0000-0156 0.0 to current version

- 210731 me new doc
  - 210801 me last update
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## Outgoing channels overview

An outgoing channel is a **output endpoint** from a service. It will act as an endpoint usable by a service to access an external system. They will be named as short *OUTGOING* or *OUTCONNS*.

Outgoings can use multiple standard destinations, SAP queues (ex AMQPz IBM), databases, mail and so on.

Outconns are typically invoked (by a service) using attributes from self.out, e.g. self.out.rest, self.out.amqp, self.out.sap and so on, maintaining a connection pool internally when needed so that services can just focus on the invocation part.

## REST outgoing definition

For an **outgoing**, the following parameters must be provided:

- Name
- Host
- URL path
- Data format
- Service
- Security definition

(NOTE: it is important to retain the default HEAD ping method, because it will be used to check the endpoint availability)

**Name** is the ARCLST name of the channel.

**URL path** is the address of channel endpoint. This is part of ARCLST route, ie `ARCLST_path.../URL_path`.

**Data format** is the format of data that will be exchanged through this channel. Usual (for REST channels at least) is to specify here *JSON*.

**Service** is the name of the service that will be called when channel is invoked.

**Security** represents the security domain that will be applied to this channel.

Other parameters could also be specified here, for example if there are supplementary parameters (like those with ? after the route), header info (for out channels) and so on.

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