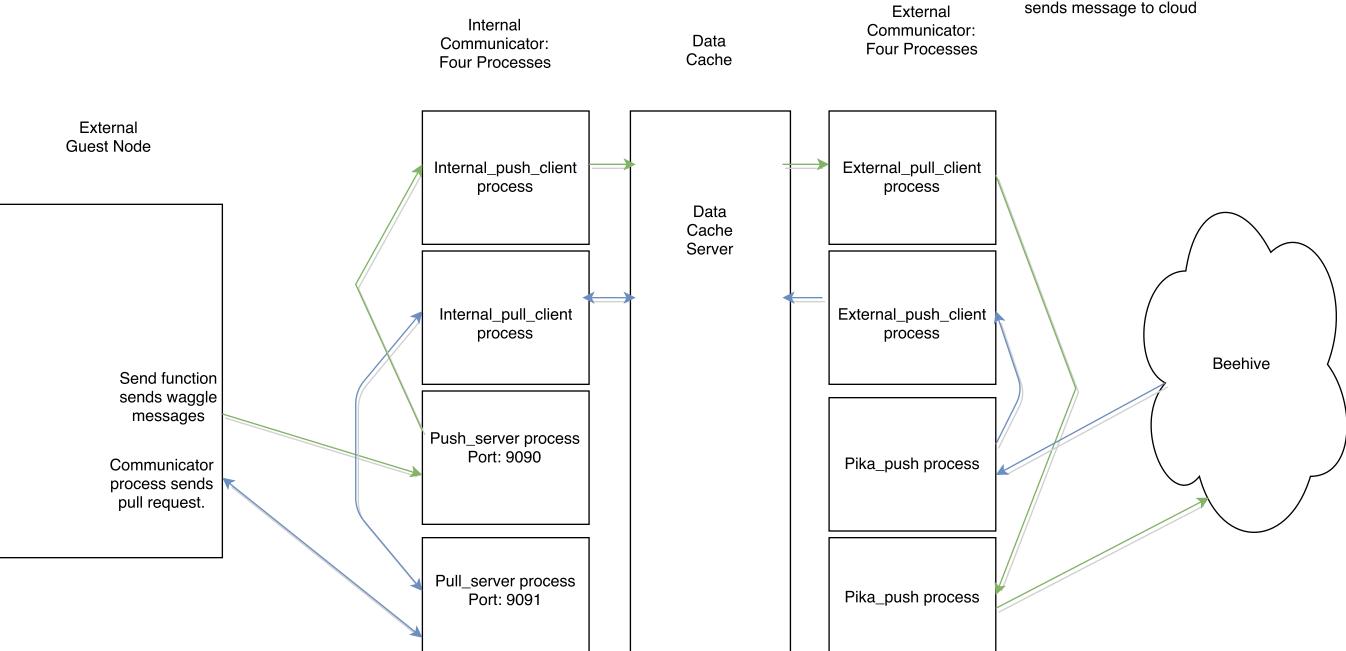


- -Guest Node sends message to push server
- -Push server puts message into DC\_push queue
- -Internal push client pushes message into data cache



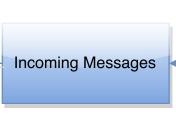
Outgoing Messages

## **Incoming Messages:**

- -Guest Node sends pull request to pull server
- -Pull server puts request into incoming\_requests queue
- -Internal pull client sends request to data cache
- -Data cache checks for any messages and returns message to internal pull client
- -Internal pull client puts message in incoming queue
- -Pull server pulls message out of incoming queue and sends message to Guest Node

## Incoming Messages:

- -Pika pull connects to cloud and looks for incoming messages
- -Once a message is sent from the cloud, pika pull puts it into incoming queue
- -When the incoming queue is not empty, external push client takes message from queue and pushes it into the data cache



Outgoing	Messages:	
		_

- -When cloud is connected, external pull client sends
- pull requests to data cache
- -Data cache returns message to external pull client
- -External pull client puts message into outgoing queue
- -Pika push process pulls from the outgoing queue and sends message to cloud