

RFID Middleware JMS Report Format

V2.0

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Revision record

Version	Revision content	Revised/ Revised time
V1.0	Original version	Yang Zhiqiang /2017.10.09

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Status report

Return data	Type	Remarks
seq	int	Serial number
command	String	Command name
result	int	0: success, not 0 means failure
description	String	Information description
data	JSONObject	Return status report data set
rand	String	Random number of communication, no need to care
mac	String	Check MAC, no need to care

Return status report data set

Parameter	Format	Optional	Remarks
report	JArray	Mandatory	Status report data

Status report data

Parameter	Format	Optional	Remarks
readerID	int	Mandatory	Reader ID of the occurring status
antID	int	Optional	Antenna ID of the occurring status
gpID	int	Optional	GPI ID of the occurring status
timestamp	String	Mandatory	The occurring status time,format, yyyy-MM-dd hh:mm:ss
procedure	String	Optional	Operation process when status occurs
type	String	Mandatory	Status type: lost Reader offline reconnect Reader reconnecting trigger Process start triggerover Process over error Execution error io IO status
desc	String	Mandatory	Status description

Tag report

Return data	Type	Remarks
seq	int	Serial number
command	String	Command name
result	int	0: success; not 0 means failure
description	String	Information description
data	JSONObject	Return tag report data set
rand	String	Random number of communication, no need to care
mac	String	Check MAC, no need to care

Return tag report data set

Parameter	Format	Optional	Remarks
report	JArray	Mandatory	Tag report data

Tag report data

Parameter	Format	Optional	Remarks
readerID	int	Mandatory	The reader ID that reading tag
link	String	Mandatory	Connection ip and port of reader
ant	int	Mandatory	Antenna index for the reading tag, first from 1.
EPC	String	Mandatory	EPC value of the tag
PC	String	Mandatory	Tag PC
TID	String	Optional	TID value of the tag
userdata	String	Optional	User data of the tag
count	int	Optional	Reading total times in one reporting cycle period
rss	int	Optional	The last read signal strength in one reporting cycle period
firstTimestamp	String	Mandatory	Timestamp of the tag readed at first time in one reporting cycle period
lastTimestamp	String	Optional	Timestamp of the tag readed at the last time in one reporting cycle period
freq	int	Optional	Frequency, KHz
phase	int	Optional	Phase, radian

Example:

```
{"readerID":2,"link":"tcp:A:192.168.1.117:9090","ant":2,"EPC":"300833B2DDD901400000000000",  
"TID":"","userdata":"","count":2,"rss":97,"firstTimestamp":"2018-04-27  
15:06:04.576","lastTimestamp":"2018-04-27 15:06:04.617","freq":0,"phase":0}
```