

## 4 Trapper items

### Overview

Zabbix server uses a JSON- based communication protocol for receiving data from Zabbix sender with the help of [trapper item](#).

Request and response messages must begin with [header and data length](#).

### Zabbix sender request

```
{
  "request": "sender data",
  "data": [
    {
      "host": "<hostname>",
      "key": "trap",
      "value": "test value"
    }
  ]
}
```

### Zabbix server response

```
{
  "response": "success",
  "info": "processed: 1; failed: 0; total: 1; seconds spent: 0.060753"
}
```

### Alternatively Zabbix sender can send request with a timestamp

```
{
  "request": "sender data",
  "data": [
    {
      "host": "<hostname>",
      "key": "trap",
      "value": "test value",
      "clock": 1516710794
    },
    {
      "host": "<hostname>",
```

```
        "key": "trap",
        "value": "test value",
        "clock": 1516710795
    },
    "clock": 1516712029,
    "ns": 873386094
}
```

## Zabbix server response

```
{
  "response": "success",
  "info": "processed: 2; failed: 0; total: 2; seconds spent: 0.060904"
}
```

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