# Software Update

## Bulk Blynk Update Design

### Format

https://{server\_address}/external/api/batch/update?token={token}&{pin1}={value1}&{pin2}={value2}

#### Example

<https://blynk.cloud/external/api/batch/update?token=bFFtSHNCZZDWQ__Zs96cP5jLMhLoJofg&v1=33&v2=44>

### Design

Allow data point to be updated on the fly or as a batch update

Batch update with a call at the end of the sensor loop?

If batch then add to a string

### V2 Batch update

https://{server\_address}/external/api/batch/update?token={token}&pin={pin}

Content-Type the header is mandatory and should be set to application/json

https://{server\_address}/external/api/batch/update?token={token}&pin={pin}

[blynk.cloud/external/api/batch/update?token=bFFtSHNCZZDWQ\_\_Zs96cP5jLMhLoJofg&pin=v1](https://blynk.cloud/external/api/batch/update?token=bFFtSHNCZZDWQ__Zs96cP5jLMhLoJofg&pin=v1)

Content-Type header should be set to application/json

Example: ​

Post body:

​ ​ [[1648054765458,1.0],[1648054825459,2.0],[1648054885460,3.0]]

### Entry Format

The single entry format: [[timestamp, value]]

The full body with multiple entries:[[timestamp1, value1], [timestamp2, value2]]

Post Body example:

[[1648054765458,1.0],[1648054825459,2.0],[1648054885460,3.0]]

### Functions needed SetBlynkBatchMode (bool)

SetBlynkBatchModeCound(int)

## Retained Delays

Retain delay settings on reboot...

Also keep these for reverting when implementing temporary full speed lopping