PnP Core JavaScript

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- What is PnP Core JavaScript

What is PnP Core JavaScript

History

- Started over a year ago
- Provide a “helper” library similar to PnP CSOM
  - Lightweight
  - Minimal dependencies
  - Easy to use
- Compliment SPFx and SP Client Side dev
- Introduce modern web development concepts to SP programmers before SPFx announcement

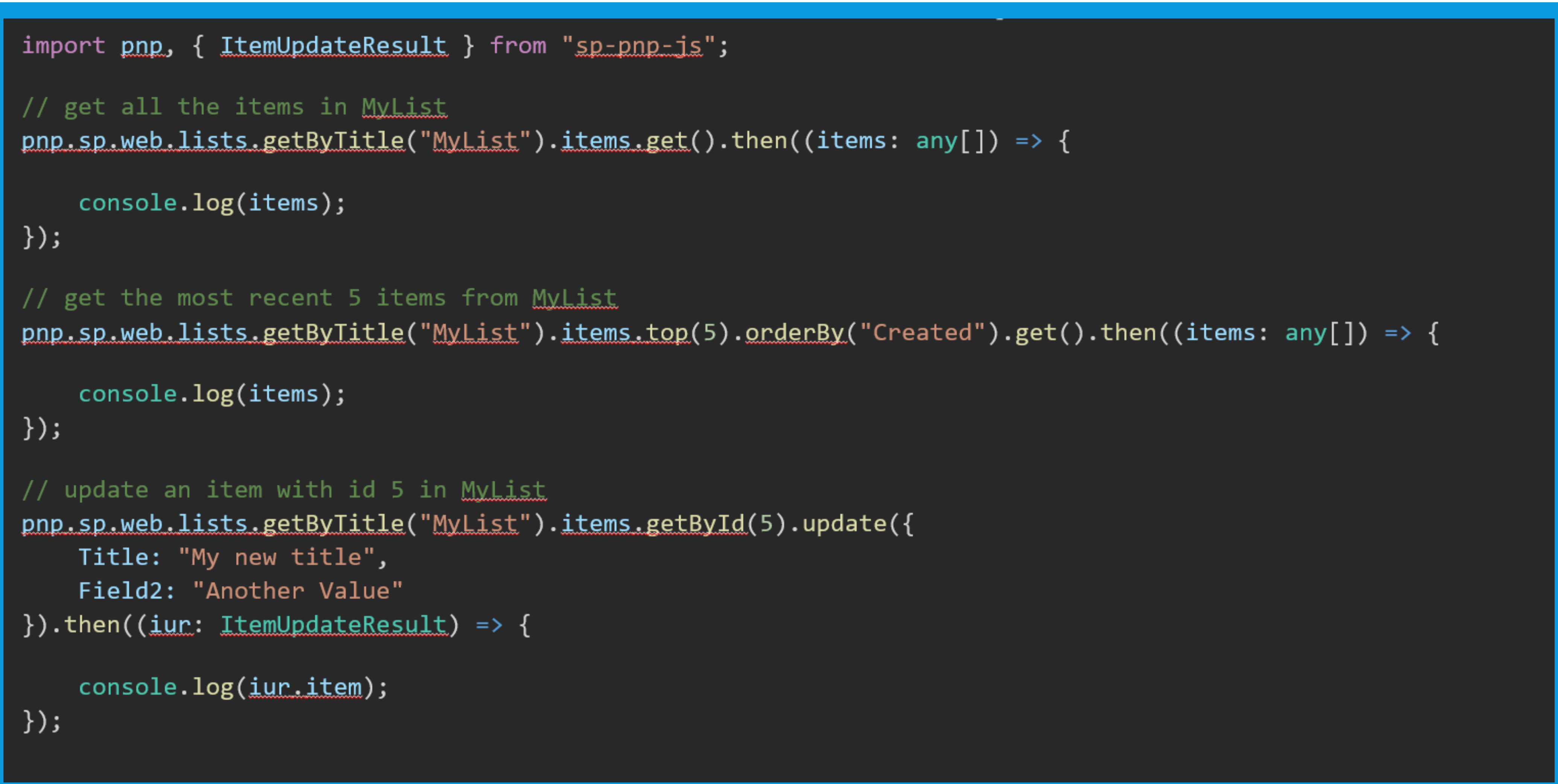
Current State

- Robust REST based library providing a fluent API
- Monthly releases driven by community feedback
- Constantly improving docs and guides
- Sample Add-In, SPFx samples, script editor wp
- Used in 419 tenants to make 8.6 million requests*

Benefits

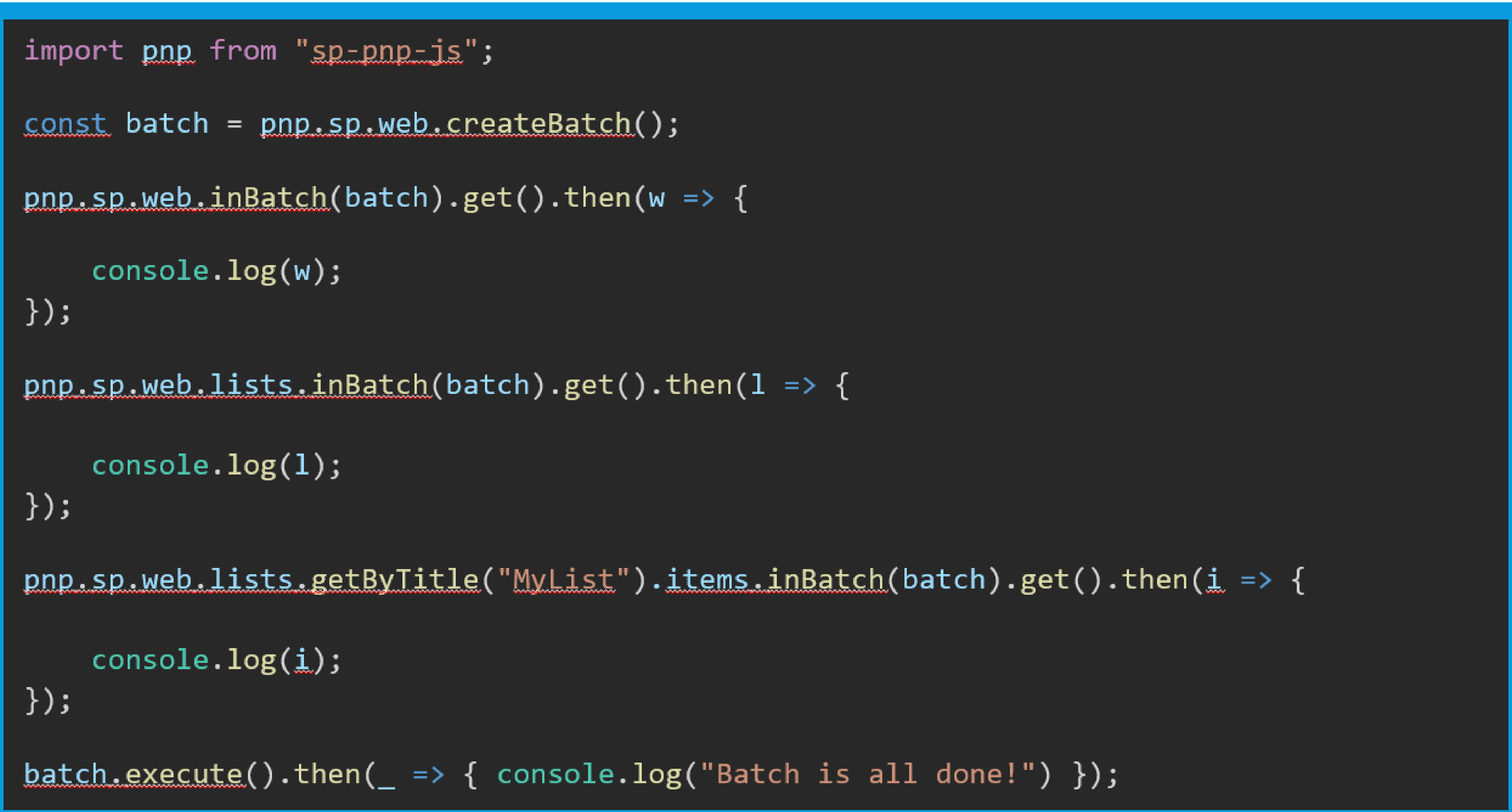
- Handles request digest and header settings
- Ensures the correct JSON format and type values
- Easily batch requests inline
- Fluent API guides building your requests
- Easy install with *npm install sp-pnp-js --save*
- Works with classic SharePoint, SPFx, and Add-Ins
- Extensible to support your business scenarios

Basic Use Cases



```
import pnp, { ItemUpdateResult } from "sp-pnp-js";

// get all the items in MyList
pnp.sp.web.lists.getByTitle("MyList").items.get().then((items: any[]) => {

    console.log(items);
});

// get the most recent 5 items from MyList
pnp.sp.web.lists.getByTitle("MyList").items.top(5).orderBy("Created").get().then((items: any[]) => {

    console.log(items);
});

// update an item with id 5 in MyList
pnp.sp.web.lists.getByTitle("MyList").items.getById(5).update({
    Title: "My new title",
    Field2: "Another Value"
}).then((iur: ItemUpdateResult) => {

    console.log(iur.item);
});
```

Batching



```
import pnp from "sp-pnp-js";

const batch = pnp.sp.web.createBatch();

pnp.sp.web.inBatch(batch).get().then(w => {

    console.log(w);
});

pnp.sp.web.lists.inBatch(batch).get().then(l => {

    console.log(l);
});

pnp.sp.web.lists.getByTitle("MyList").items.inBatch(batch).get().then(i => {

    console.log(i);
});

batch.execute().then(_ => { console.log("Batch is all done!") });
```

What will the future bring?

- Both SPFx and sp-pnp-js will continue to evolve
- Our goal is to continue to simplify the development experience inside SPFx
  - Extensible request pipeline
  - Grow the developer guide and wiki
  - More samples
  - Continue to expand SharePoint REST API coverage