

MMM-AirQuality – Bug fetch failed / ETIMEDOUT

Symptômes

- MagicMirror démarre mais log PM2 affiche :
 - `TypeError: fetch failed`
 - `AggregateError [ETIMEDOUT]` dans `MMM-AirQuality/helper.js`
- `curl https://api.waqi.info/...` fonctionne

Objectif

☐ Contourner `fetch` de Node en remplaçant l'appel API par `https.request`.

Étapes rapides

1. Aller dans le dossier du module

```
cd ~/MagicMirror/modules/MMM-AirQuality
```

2. Sauvegarder le helper

```
cp helper.js helper.js.bak
```

3. Éditer `helper.js`

```
nano helper.js
```

4. Remplacer tout le contenu

```

/* MagicMirror²
 * Module: MMM-AirQuality
 *
 * By Christopher Fenner https://github.com/CFenner
 * Patched to use https.request instead of fetch (ETIMEDOUT issue).
 * MIT Licensed.
 */

const https = require("https");
const { URL } = require("url");

module.exports = {
  notifications: {
    DATA: "AIR_QUALITY_DATA",
    DATA_RESPONSE: "AIR_QUALITY_DATA_RESPONSE",
  },

  start: function () {
    console.log("AirQuality helper started ...");
  },

  loadData: function (payload) {
    const self = this;
    const urlString =
`https://${payload.config.apiBase}${payload.config.dataEndpoint}${payload.config.location}?token=${payload.config.token}`;

    console.log(`AirQuality-Fetcher (https): ${urlString}`);

    let url;
    try {
      url = new URL(urlString);
    } catch (e) {
      console.error("AirQuality-Fetcher: invalid URL", e);
      self.sendSocketNotification(self.notifications.DATA_RESPONSE, {
        payloadReturn: null,
        status: "ERROR",
        identifier: payload.identifier,
      });
    }
  }
};

```

```
    return;
}

const options = {
  hostname: url.hostname,
  port: 443,
  path: url.pathname + url.search,
  method: "GET",
  timeout: 10000, // 10s
};

const req = https.request(options, (res) => {
  let data = "";

  res.on("data", (chunk) => {
    data += chunk;
  });

  res.on("end", () => {
    try {
      const json = JSON.parse(data);
      self.sendSocketNotification(self.notifications.DATA_RESPONSE, {
        payloadReturn: json,
        status: "OK",
        identifier: payload.identifier,
      });
    } catch (err) {
      console.error("AirQuality-Fetcher: JSON parse error", err);
      self.sendSocketNotification(self.notifications.DATA_RESPONSE, {
        payloadReturn: null,
        status: "ERROR",
        identifier: payload.identifier,
      });
    }
  });
});

req.on("error", (err) => {
  console.error("AirQuality-Fetcher: https error", err);
});
```

```

    self.sendSocketNotification(self.notifications.DATA_RESPONSE, {
      payloadReturn: null,
      status: "ERROR",
      identifier: payload.identifier,
    });
  });

  req.on("timeout", () => {
    console.error("AirQuality-Fetcher: request timeout");
    req.destroy();
    self.sendSocketNotification(self.notifications.DATA_RESPONSE, {
      payloadReturn: null,
      status: "TIMEOUT",
      identifier: payload.identifier,
    });
  });

  req.end();
},

socketNotificationReceived: function (notification, payload) {
  switch (notification) {
    case this.notifications.DATA:
      console.log(
        `AirQuality-Fetcher: Loading data of ${payload.config.location} for module
        ${payload.identifier}`
      );
      this.loadData(payload);
      break;
  }
},
};

```

5. Redémarrer MagicMirror

```
pm2 restart mm
```

6. Vérifier

- Plus d'erreur `fetch failed / ETIMEDOUT`
- MMM-AirQuality affiche à nouveau les données

À noter

- En cas de mise à jour du module, le patch peut être écrasé → **réappliquer** `helper.js` **patché**.

Revision #1

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