

Node.js: how to read a CSR file

In this tutorial we will see how to read the data contained in a CSR file with Node.js.

We can use the node-forge module like this.

```
'use strict';

const forge = require('node-forge');
const validator = require('validator');

class CSR {
  static getCSRAttributes(cert) {
    if(validator.isEmpty(cert)) {
      return [];
    }
    const cert =
forge.pki.certificationRequestFromPem(cert);
    return cert.subject.attributes;
  }
}

module.exports = CSR;
```

The node-forge module method returns an array of objects that match the attributes contained in the CSR file, such as the `countryName`, the `commonName` and the `emailAddress` attribute. Each object has between its properties name (for example `emailAddress`) and value, which corresponds to the attribute value (e.g. `gabriele@gabrieleromanato.com` in this case).

`cr t` is the text string of the CSR file, so this method can be used either by taking the input from a `textarea` field of a form or by uploading the file and reading its contents as a string.

The returned array contains only the attributes that were specified when the CSR file was created. The ones that have been omitted are not present in this array.