# Caché Package Manager Usage Cases

## Packages publishing flow

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| --- | --- |
| CPM | Shell |
| DEVLATEST:00:53:41:CPM>**do ^CPM**    CPM:CPM>> **list /v**  cpm-installer-sample 0.5.0  Sample.Address.cls  Sample.Company.cls  Sample.Customer.cls  Sample.Employee.cls  Sample.Person.cls  Sample.USZipCode.cls  Sample.Utils.cls  Sample.Vendor.cls  simple.prj    simple-proj 0.4.1  Sample.Address.CLS  Sample.Company.CLS  Sample.Customer.CLS  Sample.Employee.CLS  Sample.Person.CLS  Sample.USZipCode.CLS  Sample.Utils.CLS  Sample.Vendor.CLS  simple.prj |  |
| CPM:CPM>> **config /get tempdir**  tempdir = C:\InterSystems\CacheLatest\.cpm\  CPM:CPM>> **export /minor simple-proj**  simple-proj version set to: 0.4.2    Exporting to XML started on 03/11/2015 00:54:29  Exporting class: Sample.Address  Exporting class: Sample.Company  Exporting class: Sample.Customer  Exporting class: Sample.Employee  Exporting class: Sample.Person  Exporting class: Sample.USZipCode  Exporting class: Sample.Utils  Exporting class: Sample.Vendor  Exporting project: simple.prj  Export finished successfully. | C:\InterSystems\CacheLatest\.cpm>npm publish --registry http://cpmiscregistry.couchappy.com  **+ simple-proj@0.4.2** |
| CPM:CPM>> **export /minor cpm-installer-sample**  cpm-installer-sample version set to: 0.5.1    Exporting to XML started on 03/11/2015 00:57:17  Exporting class: Sample.Address  Exporting class: Sample.Company  Exporting class: Sample.Customer  Exporting class: Sample.Employee  Exporting class: Sample.Person  Exporting class: Sample.USZipCode  Exporting class: Sample.Utils  Exporting class: Sample.Vendor  Exporting project: simple.prj  Export finished successfully. | C:\InterSystems\CacheLatest\.cpm>npm publish --registry http://cpmiscregistry.couchappy.com  npm ERR! publish Failed PUT 403  npm ERR! Windows\_NT 6.3.9600  npm ERR! argv "C:\\Program Files\\nodejs\\\\node.exe" "C:\\Program Files\\nodejs\\node\_modules\\npm\\bin\\npm-cli.js" "publish" "--registry" "http://cpmiscregistry.couchappy.com"  npm ERR! node v0.12.0  npm ERR! npm v2.5.1  npm ERR! code E403  **npm ERR! forbidden cannot modify pre-existing version: 0.5.1**  npm ERR! old={"\_class":"CPM.Registry.Package","\_id":"cpm-installer-sample@0.5.1","name":"cpm-installer-sample","author":"","path":"simple.xml","version":"0.5.1","license":"MIT","keywords":[],"description":"","depe  ndencies":{"":""},"items":["Sample.Address.cls","Sample.Company.cls","Sample.Customer.cls","Sample.Employee.cls","Sample.Person.cls","Sample.USZipCode.cls","Sample.Utils.cls","Sample.Vendor.cls","simple.prj"],"maintainers":[{"name":"tsafin","email":"timur.safin@gmail.com"}],"Modified":"2015-03-08 18:46:41.998","scripts":{},"\_shasum":"0353d441e1077939bff7a24707240bb8bed338a7","\_from":".","\_npmVersion":"2.5.1","\_nodeVersion"  :"0.12.0","\_npmUser":{"name":"tsafin","email":"timur.safin@gmail.com"},"dist":{"shasum":"0353d441e1077939bff7a24707240bb8bed338a7","tarball":"http://cpmiscregistry.couchappy.com/cpm-installer-sample/-/cpm-installer-sample-0.5.1.tgz"}}  …  npm ERR!  npm ERR! If you need help, you may report this error at:  npm ERR! <http://github.com/npm/npm/issues>  npm ERR! Please include the following file with any support request:  npm ERR! C:\InterSystems\CacheLatest\.cpm\npm-debug.log |
| CPM:CPM>> **export /minor cpm-installer-sample**  cpm-installer-sample version set to: 0.5.2    Exporting to XML started on 03/11/2015 00:57:52  Exporting class: Sample.Address  Exporting class: Sample.Company  Exporting class: Sample.Customer  Exporting class: Sample.Employee  Exporting class: Sample.Person  Exporting class: Sample.USZipCode  Exporting class: Sample.Utils  Exporting class: Sample.Vendor  Exporting project: simple.prj  Export finished successfully. | C:\InterSystems\CacheLatest\.cpm>npm publish --registry http://cpmiscregistry.couchappy.com  **+ cpm-installer-sample@0.5.2** |
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## Command-line access

Running single command from the shell without overriding namespace:

C:\Users\Timur\Documents\Intersystems\src\CPM\bin>cpm list

<NOROUTINE> \*CPM

Let’s embed namespace for a moment:

cd "%CACHEBIN%"

cache.exe -s..\mgr\ -U CPM “BATCH^CPM(%ARGUMENTS%)"

cd "%cd%"

and then run it

C:\Users\Timur\Documents\Intersystems\src\CPM\bin>cpm list

cpm-installer-sample 0.5.2

simple-proj 0.4.2

C:\Users\Timur\Documents\Intersystems\src\CPM\bin>cpm list /verbose

cpm-installer-sample 0.5.2

Sample.Address.cls

Sample.Company.cls

Sample.Customer.cls

Sample.Employee.cls

Sample.Person.cls

Sample.USZipCode.cls

Sample.Utils.cls

Sample.Vendor.cls

simple.prj

simple-proj 0.4.2

Sample.Address.CLS

Sample.Company.CLS

Sample.Customer.CLS

Sample.Employee.CLS

Sample.Person.CLS

Sample.USZipCode.CLS

Sample.Utils.CLS

Sample.Vendor.CLS

simple.prj