



Demo : coexistence of SAGA implementations

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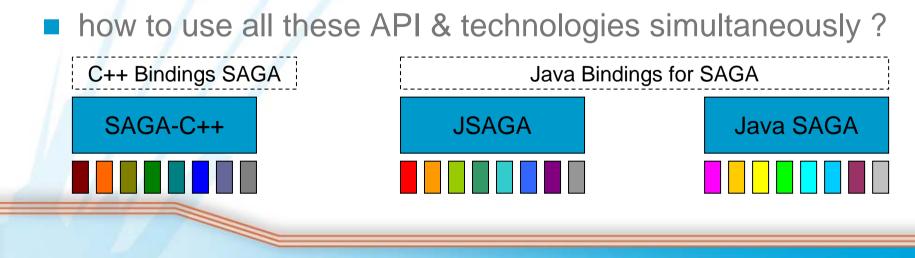
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several implementations of SAGA

- different languages (not necessarily)
- different characteristics
 - features (e.g. automatic/configurable context selection, timeout...)
 - optimizations (e.g. caching of connections, meta-data, states...)
 - design choices (e.g. high-level / low-level adaptor interfaces)
- different supported API extensions (e.g. SD, Advert, Messaging)
- different supported technologies (adaptors)

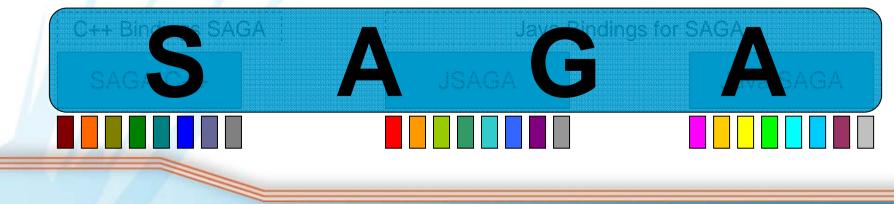


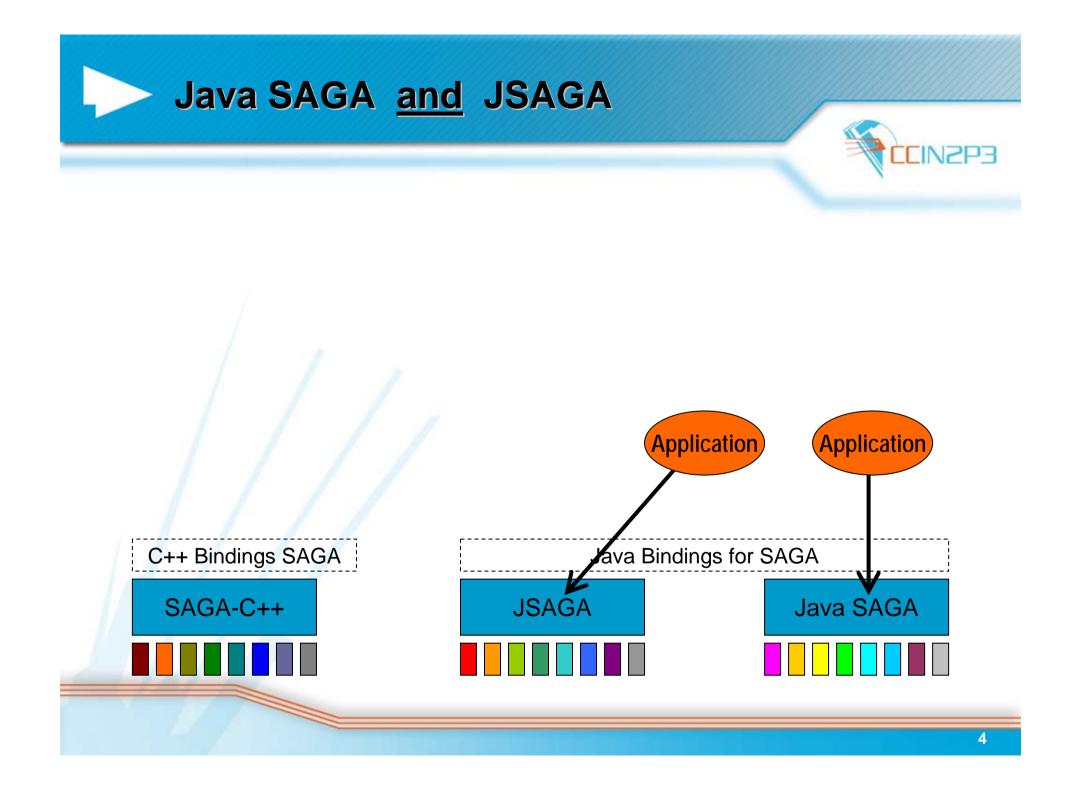




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- different supported API extensions (e.g. SD, Advert, Messaging)
- different supported technologies (adaptors)
- how to use all these API & technologies simultaneously?



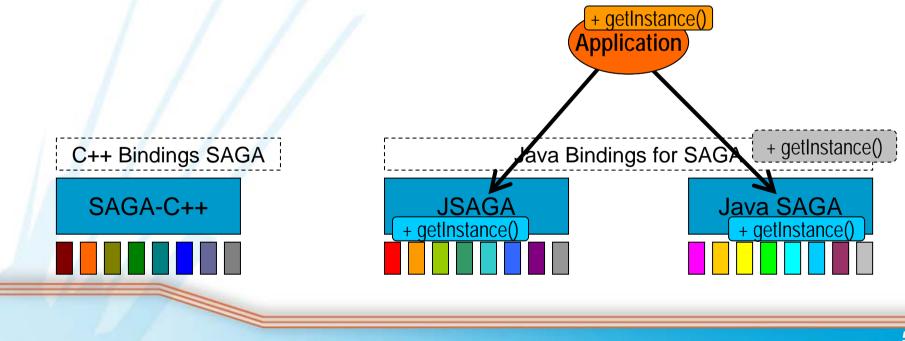






System.setProperty("saga.factory", IMPL_NAME);

File f = FileFactory.createFile(url);// old codeFile f = FileFactory.getInstance().createFile(url);// new codeFile f = FileFactory.getInstance(IMPL_NAME).createFile(url);// new (thread-safe)



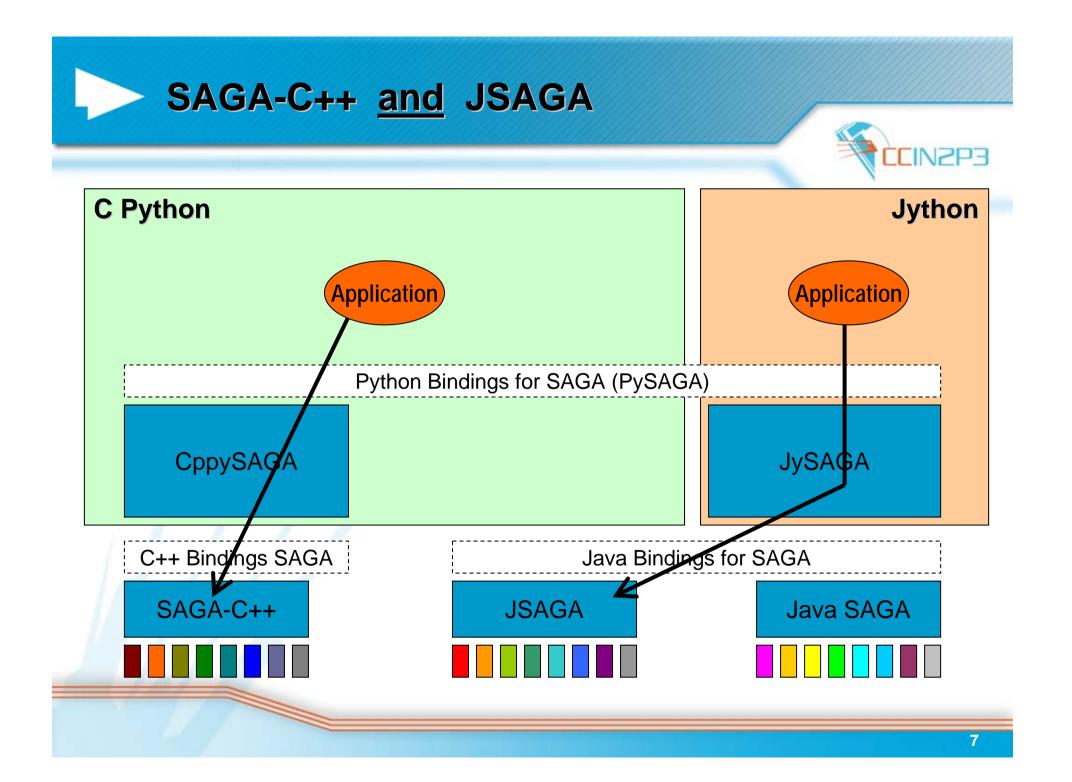


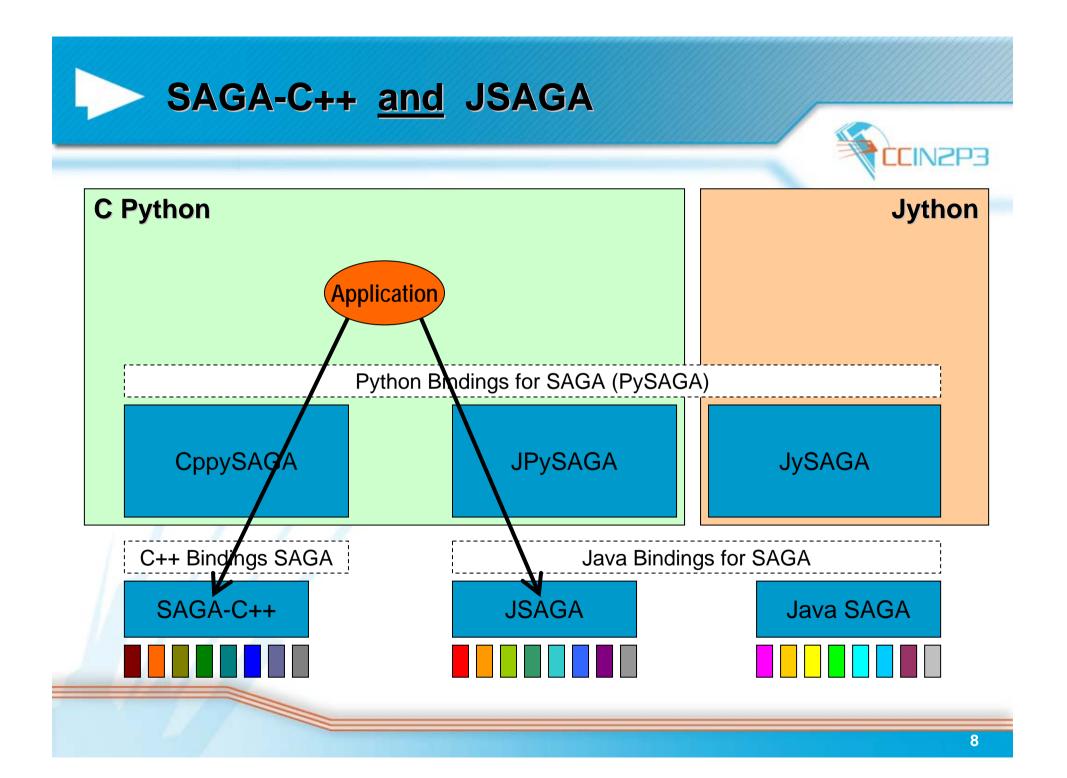


get more supported technologies

- example with "Is -I"
 - list some URL with JSAGA
 - list some URL with Java SAGA



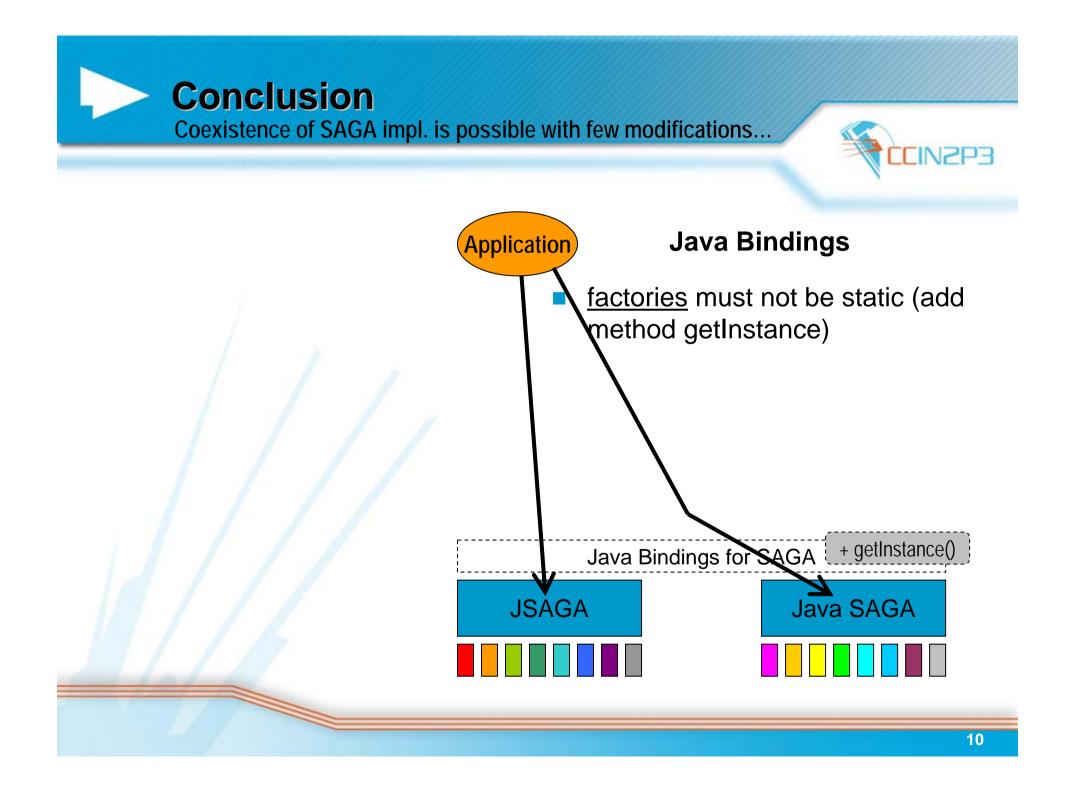


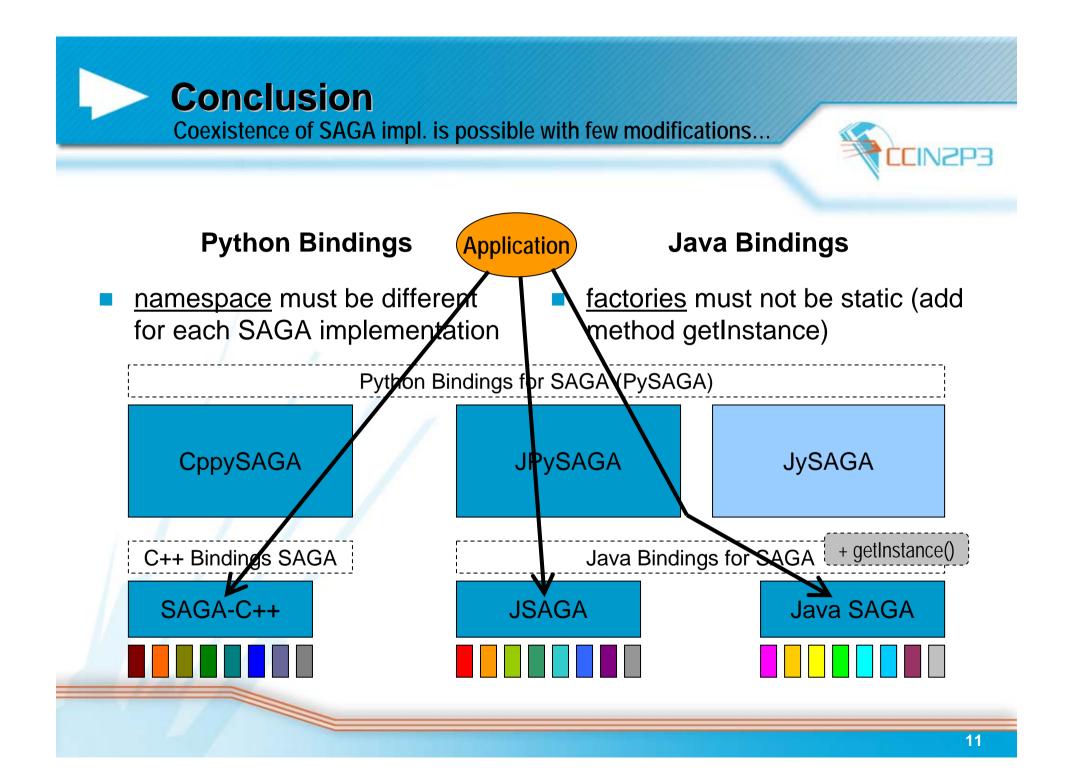


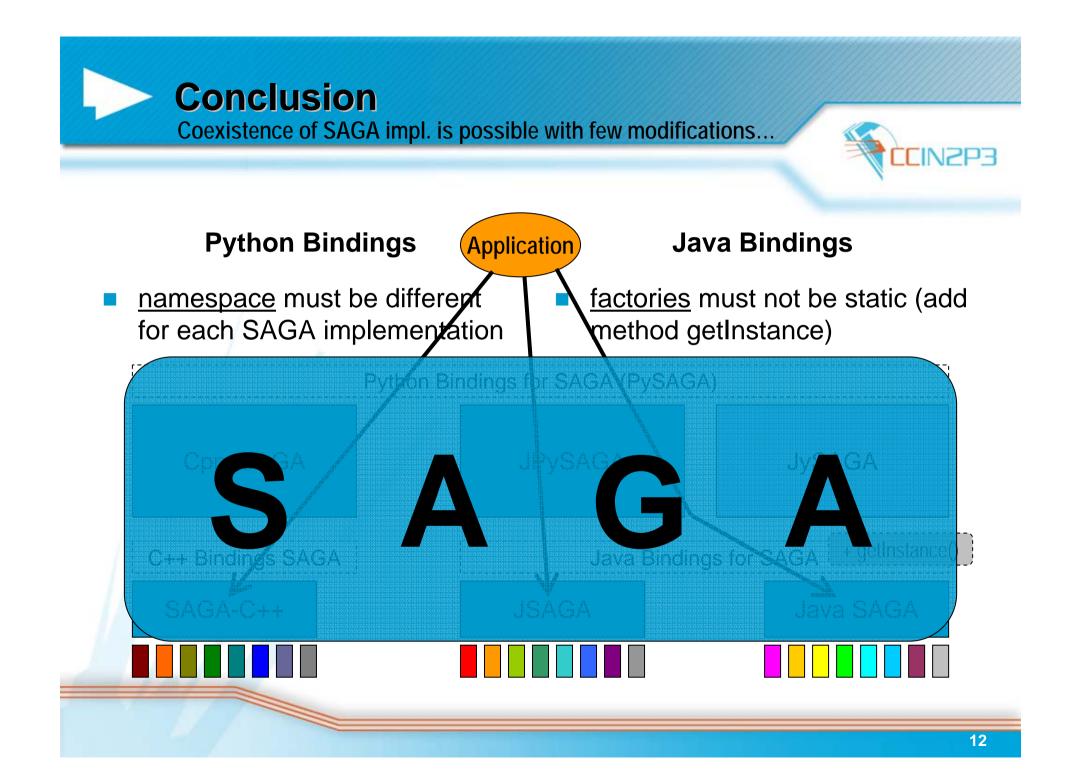




- example with "Is -I"
 - list some URL with JPySAGA/JSAGA
 - list some URL with CppySAGA/SAGA-C++
- example with "job-run"
 - run the job on some resources with JPySAGA/JSAGA
 - run the job on some resources with CppySAGA/SAGA-C++
- get more functionalities
 - example with "find" and "cat"
 - find an URL with JPySAGA/JSAGA
 - then dump its content with CppySAGA/SAGA-C++









Questions ?

