IRODS User Meeting 2011

# iRODS interfaces: API and Clients based on Jargon-core for Developers, Grid Users, and Administrators

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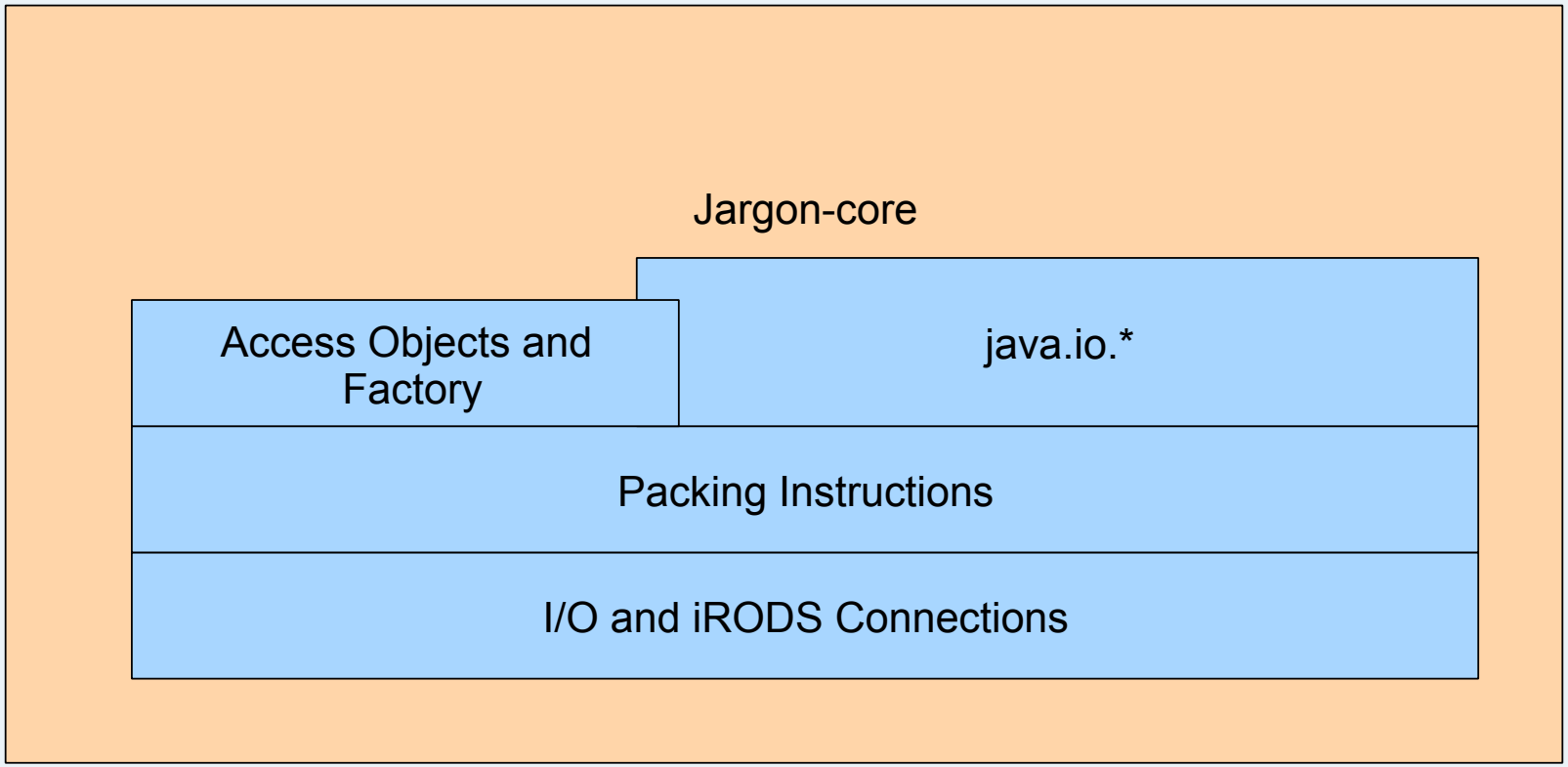
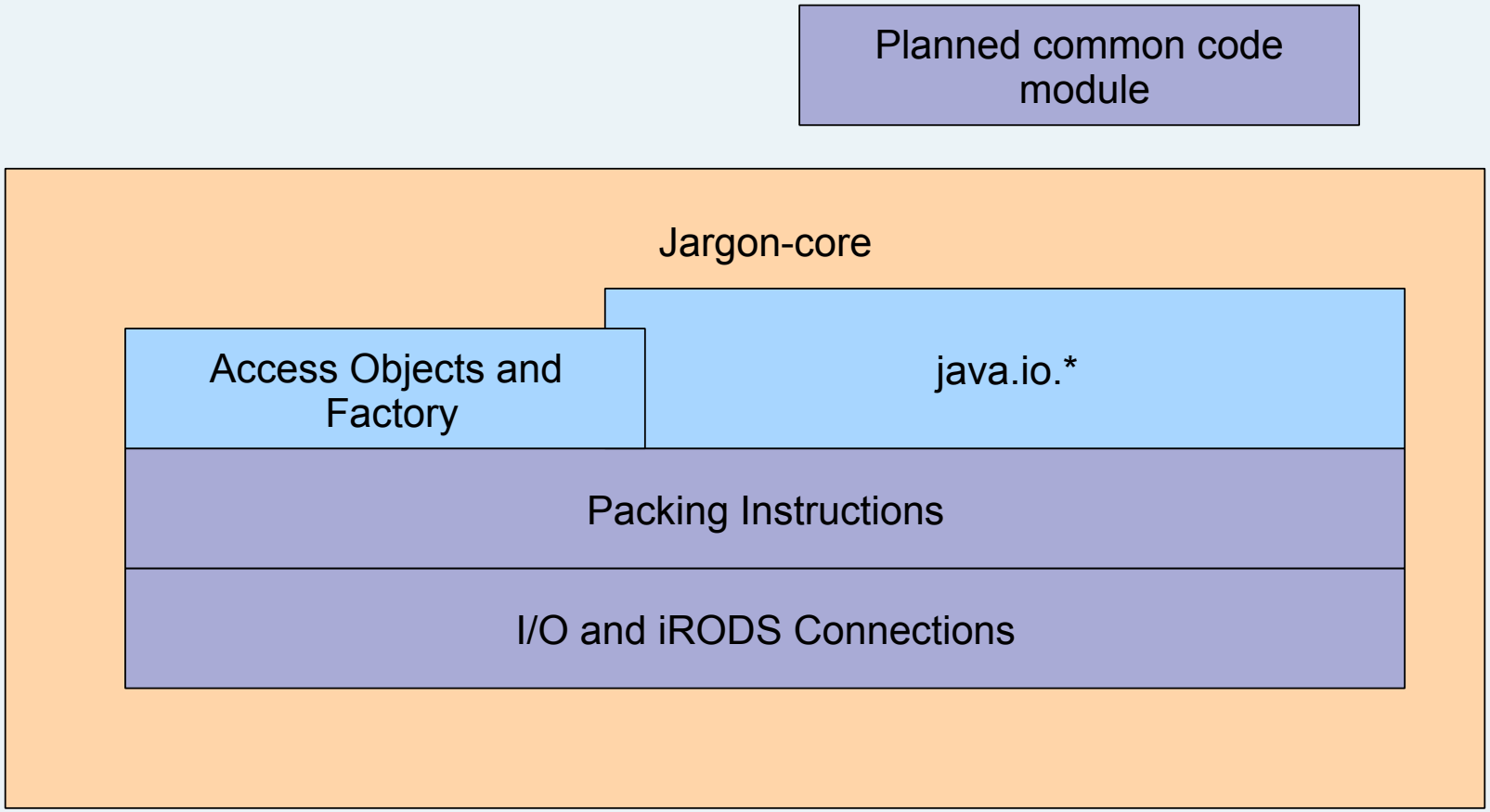
# Jargon-core is new Java API



# Jargon-trunk is present API



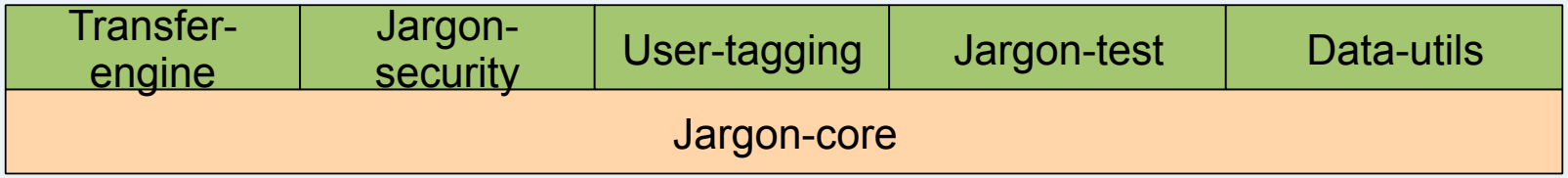
# Quick Examples...
# Query

# Quick Examples...
# Rule

# Quick Examples...
# Domain Objects

# Higher-level libraries on Jargon-core

- The compose-ability of access objects into higher-level services is a useful way to evaluate jargon-core.
- Coarse-grained services will be eventual candidates for web services.



```
@Override
public List<IRODSTagValue> getTagsOnDataObject(
final String dataObjectAbsolutePath) throws JargonException {

...

DataObjectAO dataObjectAO = irodsAccessObjectFactory
.getDataObjectAO(irodsAccount);
IRODSFile dataFile = irodsAccessObjectFactory.getIRODSFileFactory(
irodsAccount).instanceIRODSFile(dataObjectAbsolutePath);
List<MetaDataAndDomainData> queryResults;

queryResults = dataObjectAO
.findMetadataValuesForDataObjectUsingAVUQuery(
avuQueryElements, dataFile.getParent(), dataFile
.getName());

List<IRODSTagValue> resultValues = new ArrayList<IRODSTagValue>();

for (MetaDataAndDomainData metadataAndDomainData : queryResults) {
        resultValues.add(new IRODSTagValue(metadataAndDomainData));
}

return resultValues;

}
```

# iDROP

# Lingo

# Dynamic JVM Languages

# SOAP and REST

# Fedora Repository