

Technologies of Interest

Name	Description	Link	
Pentaho	BI framework	https://github.com/pentaho	
Neo4j	Native graph DB	https://neo4j.com/	
Neo4j visualization	Tools to view the graphDB	https://neo4j.com/developer/guide-data-visualization/	
SciGraph	Stores ontologies in a native graph backend	https://github.com/SciGraph/SciGraph	
Kettle (Pentaho)	ETL tool	https://github.com/pentaho/pentaho-kettle	
Neptune (AWS)	Native graph db	https://docs.aws.amazon.com/neptune/#lang/en_us	
KNIME	Workflow engine for data science	https://www.knime.com/	
CWL	Common Workflow Language	Common Workflow Language User Guide	
TinkerPop (Apache)	Open graph computing framework	http://tinkerpop.apache.org/	
Tidy Data	Conceptual framework for arranging data	The actual paper by Hadley Wickham	
Elastic Search (Elastic)	"Document" database	https://www.elastic.co/	
Pypher	Python Library to write Code in Cypher	https://github.com/emehrkey/Pypher	
WDL	Workflow Description Language (Broad)	https://software.broadinstitute.org/wdl/	
Cromwell	WDL runner	https://github.com/broadinstitute/cromwell	
Rabix	CWL Runner	http://rabix.io/	
GA4GH Cloud Workstream	DOS, WES, TES, TRS	https://github.com/ga4gh	
Toil	CWL/WDL runner and WES implementation	http://toil.ucsc-cgl.org/	
FHIR (Fast Health Interoperability Resources)	Framework for intersystem communication of health information	https://hl7.org/fhir/	
Nextflow	Workflow approach using traditional programming languages	https://www.nextflow.io/ https://www.nextflow.io/docs/latest/getstarted.html	
Model Mapper	Maps from one model to another using scripting.	http://modelmapper.org/	
DICOM viewer	Online Image viewer	http://www.microdicom.com/	
DICOM server	Orthanc	https://www.orthanc-server.com/download.php	
DICOM viewer	OHIF viewer	http://ohif.org/	
NBIA installation package	National Biomedical Imaging Archive	National Biomedical Imaging Archive - NBIA#NBIA-NBIAInstallationFilesandReleaseNotes	
NCI Imaging community call	Call for imaging community	NCI Imaging and Informatics Community Webinar	
De-identification info @ TCIA	de-identification notes	https://wiki.cancerimagingarchive.net/display/Public/De-identification+Knowledge+Base	
UCSC Genome Browser	Genome browser	UCSC Genome Browser	
Genomics at scale	Genomics platform implemented in Apache Spark	Data Bricks Delta	