

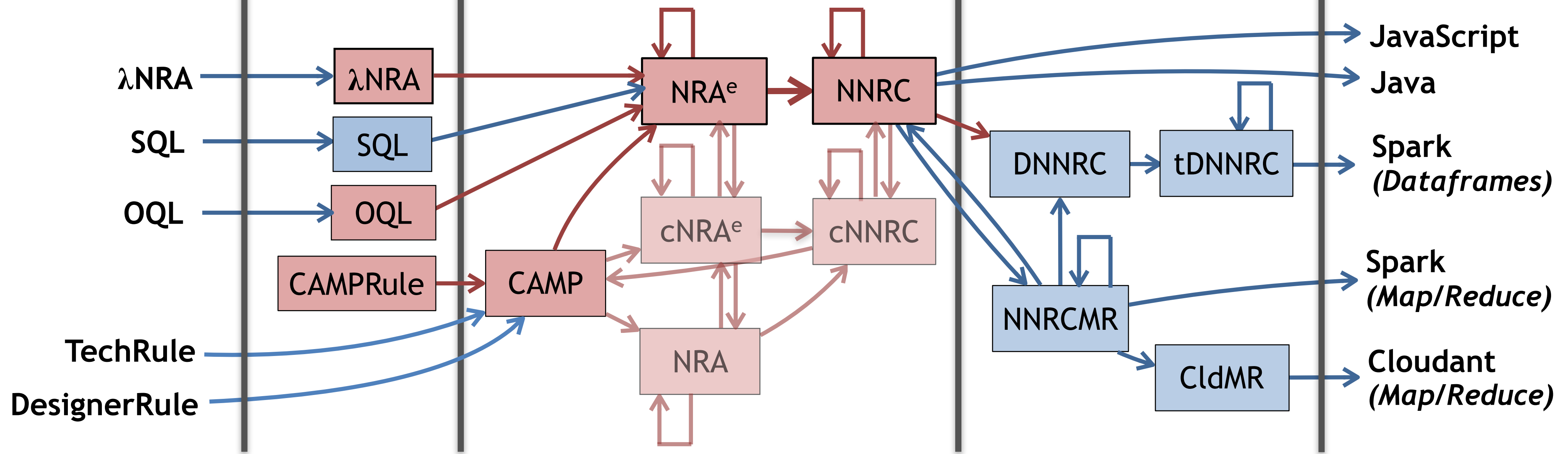
Source Languages

Frontend

Core Compiler

Distributed Compiler

Target Languages



SQL: Structured Query Language

OQL: Object Query Language

λNRA: NRA with Lambdas

CAMPRule: Rule Macros for CAMP

TechRule: ODM technical rules

DesignerRule: ODM designer rules

NRA: Nested Relational Algebra

NRA^e: NRA with Environments

cNRA^e: Core NRA^e

NNRC: Named Nested Relational Calculus

cNNRC: Core NNRC

CAMP: Calculus of Aggregating Matching Patterns

DNNRC: Distributed NNRC

tDNNRC: Typed DNNRC

NNRCMR: NNRC + Map/Reduce

CldMR: NNRC + Cloudant Map/Reduce

with proof

without proof