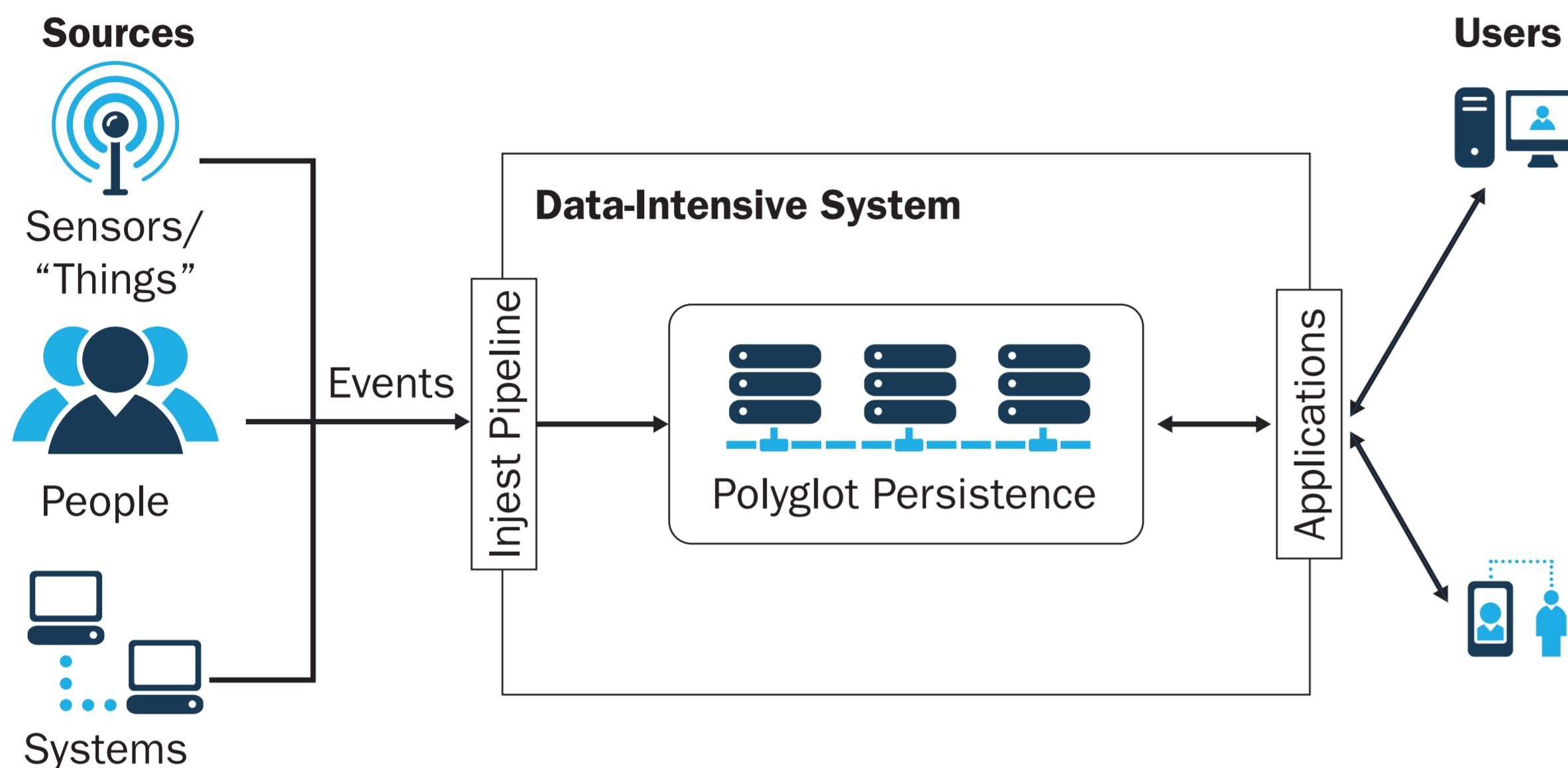
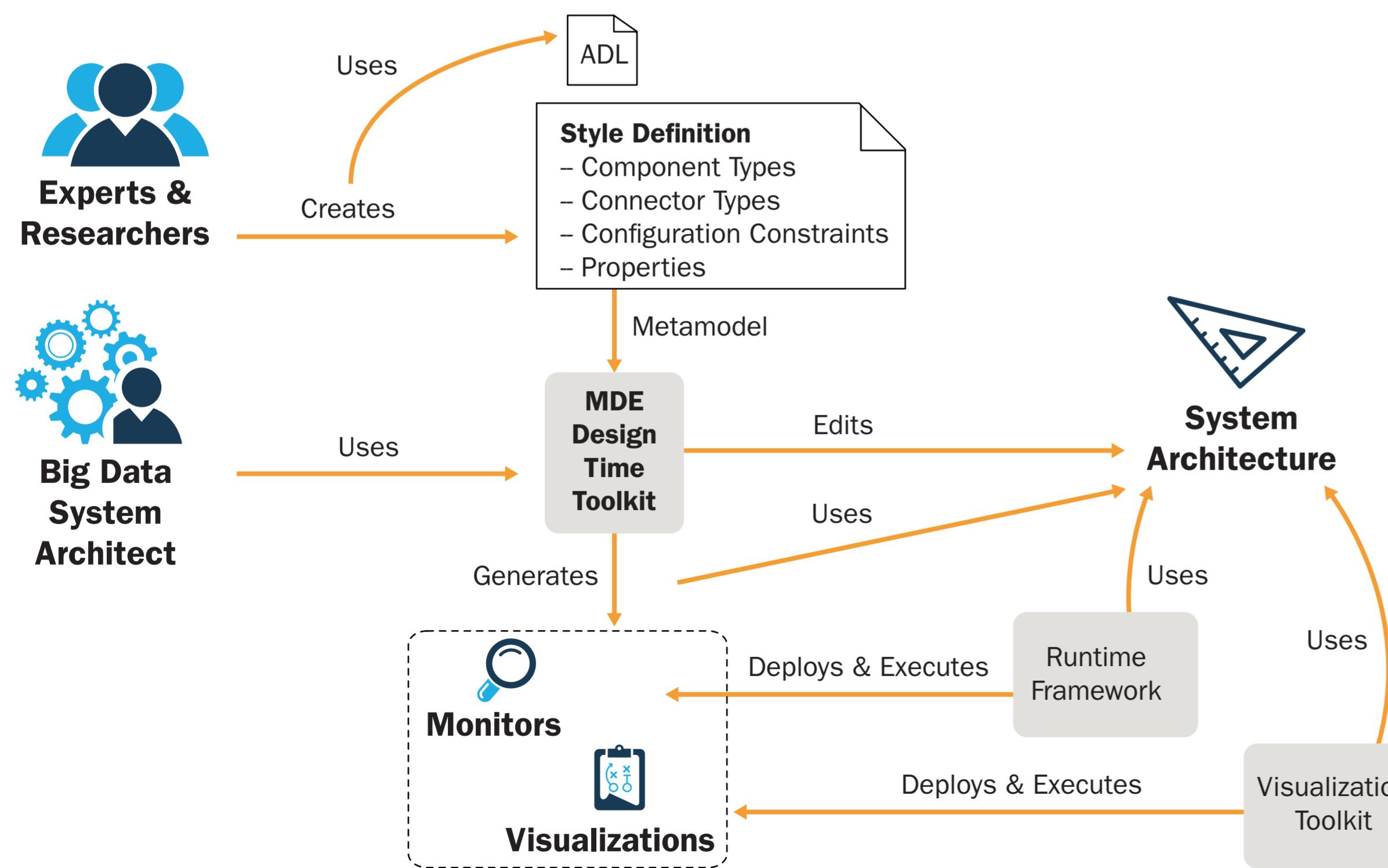


# Runtime Assurance for Big Data Systems

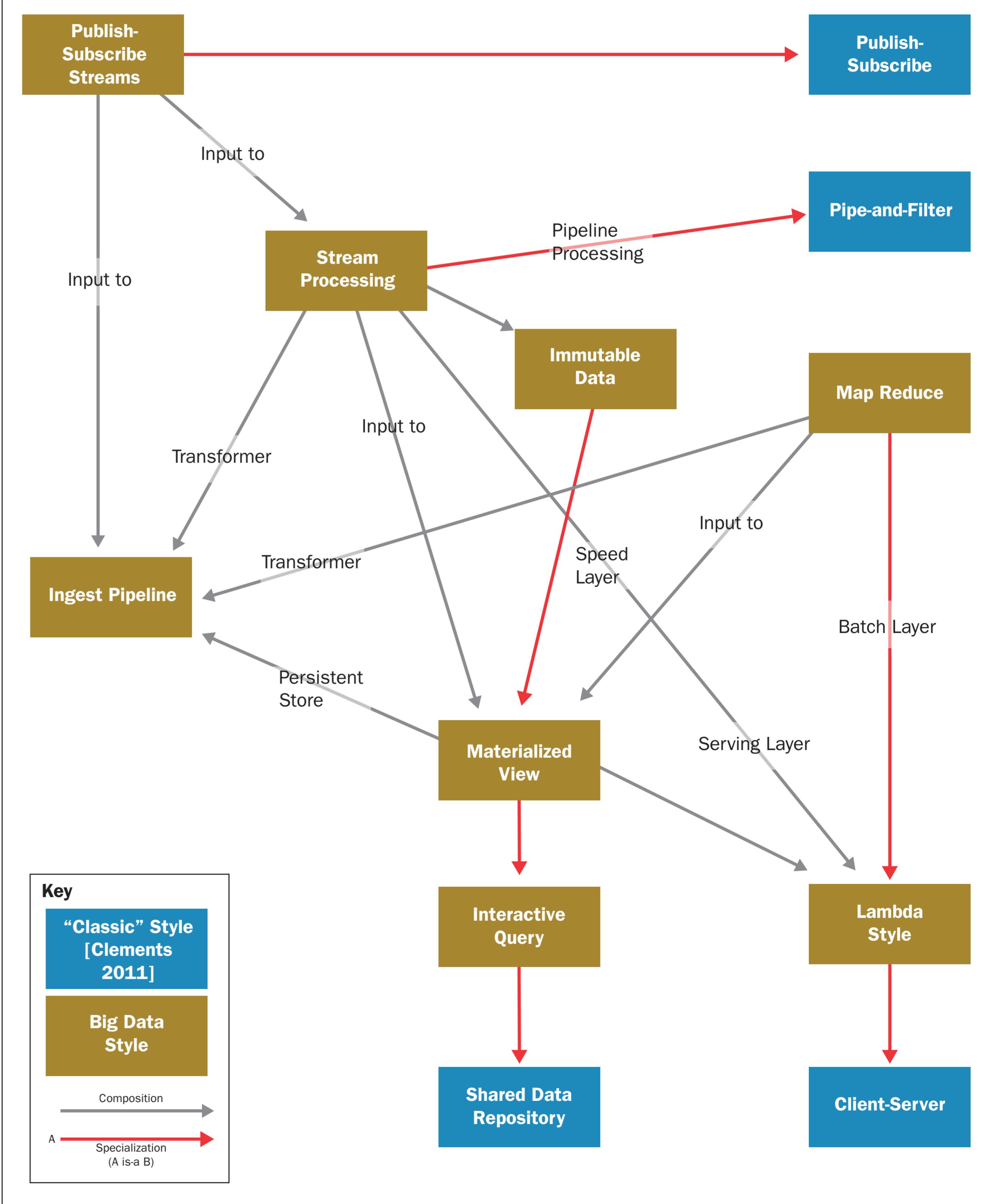
## Big Data System Context



## Using Architecture Styles to Generate Monitors and Collection



## Big Data Architecture Styles



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