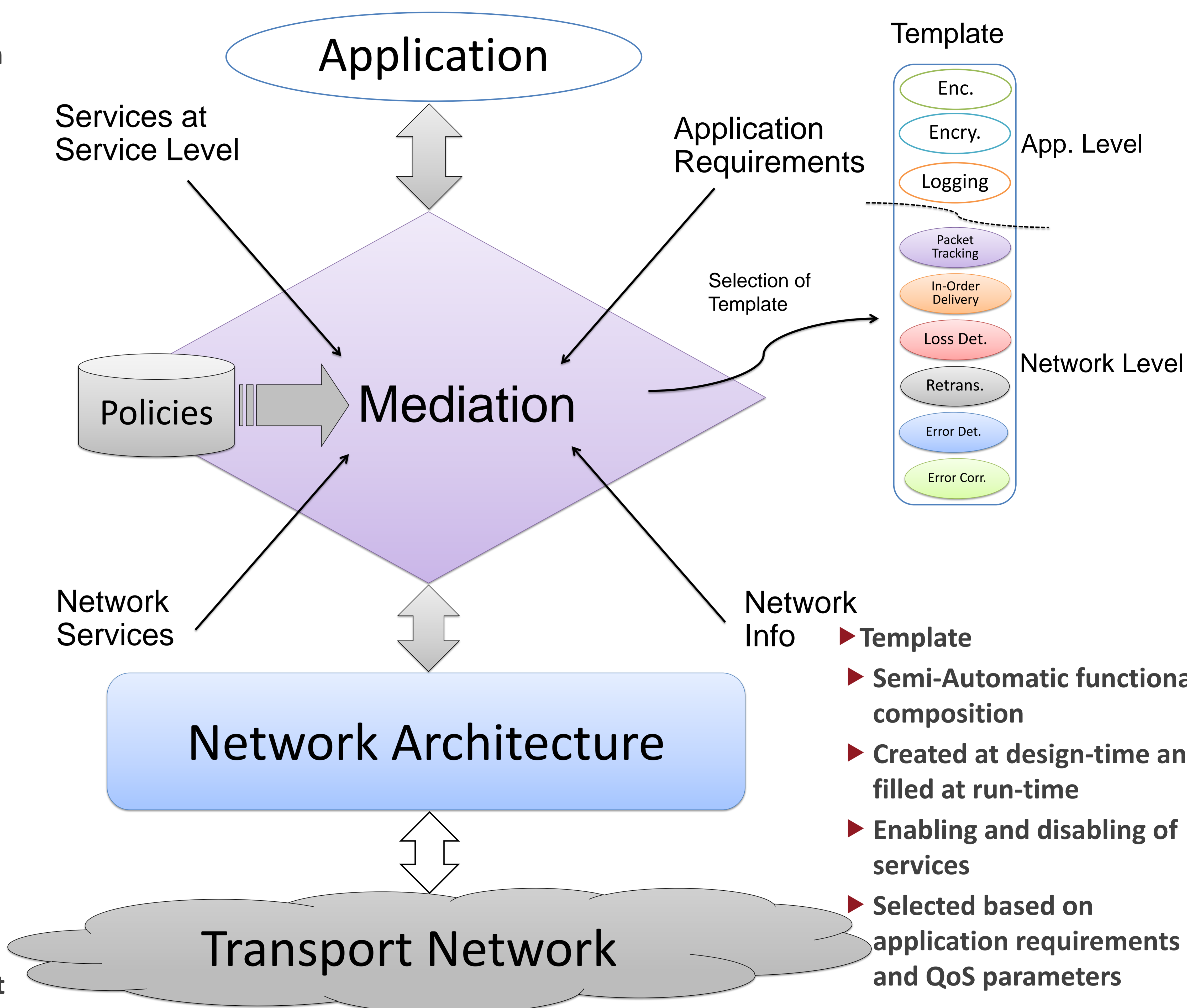


Mediation & Template

► Mediation

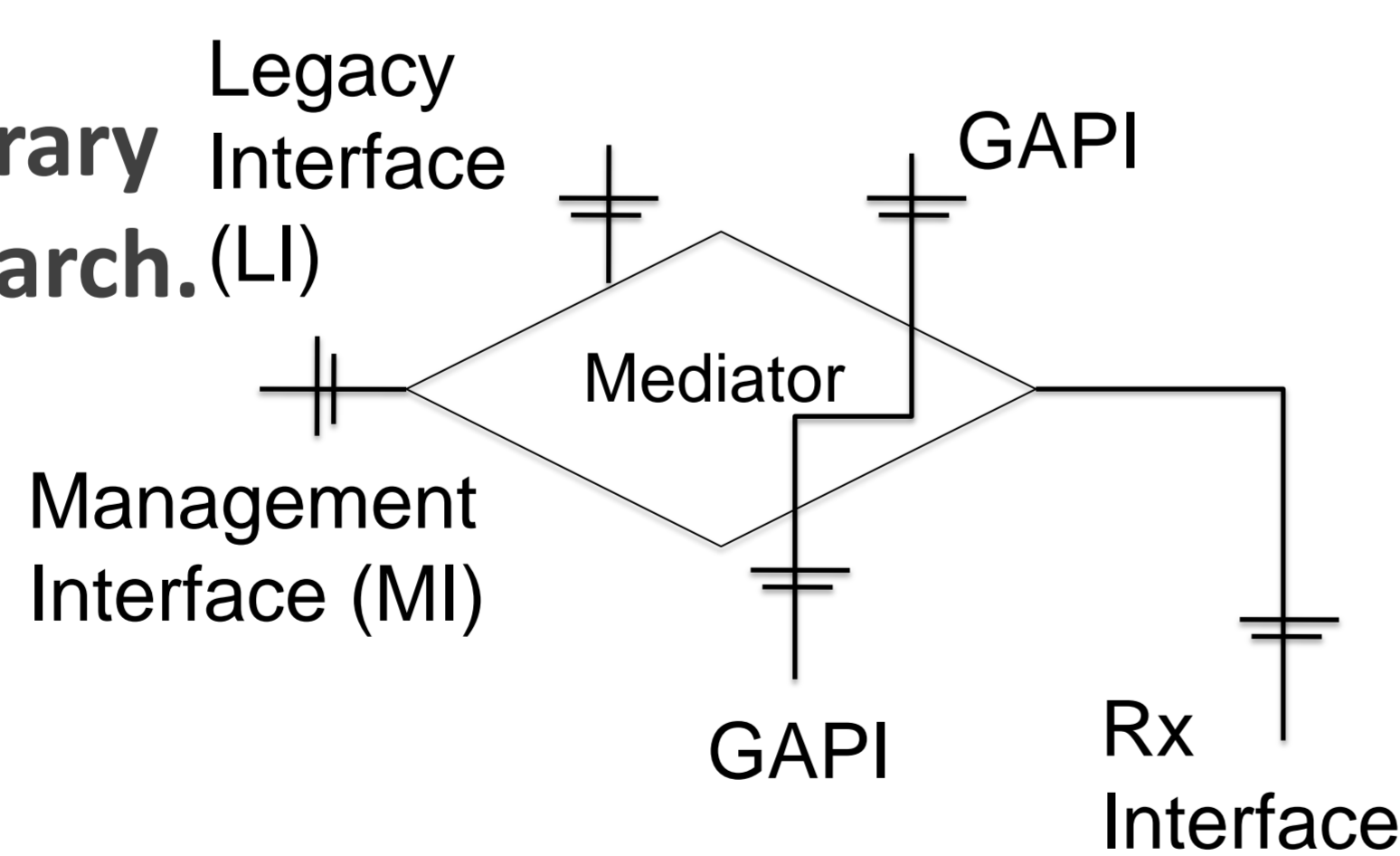
- With the help of mediation service level can adapt to network changes and vice versa.
- Multiple parameters (e.g. services from network and service level, policies) are required to successfully run the mediation process
- Pro of Mediation
 - A layer of abstraction to hide complexity of underlying arch.
 - Conflict resolution between both levels
 - Inclusion and exclusion of services based on policies and constraints
 - Administration control in workflow selection
- Cons of Mediation
 - Additional complexity (e.g. time, resources)
 - Might not be appropriate for every time critical application unless different strategies are deployed



- **Template**
- Semi-Automatic functional composition
- Created at design-time and filled at run-time
- Enabling and disabling of services
- Selected based on application requirements and QoS parameters

Interfaces

- **Legacy Interface**
 - Support for contemporary applications for novel arch. (LI)
- **G-Lab API (GAPI)**
 - API, developed under G-Lab platform
- **Management Interface**
 - Administrator can inject domain-based policies, which is used in mediation.
 - Policies are simple rules, which help to include or exclude services, service selection or resolution of conflicts between network and service levels.
- **Rx Interface**: 3GPP standardized interface for EPS management



Components

- **Mediator**
 - Information exchange between service-network level
 - Composition decision based on policies and available services at both levels
- **Policies**
 - Simple rules and suggestions to help in mediation
- **Broker**
 - Composing services at service level
- **SONATE Framework**
 - Composition and execution of services at network level
- **G-Lab API (GAPI)**
 - An API for an application to solicit services