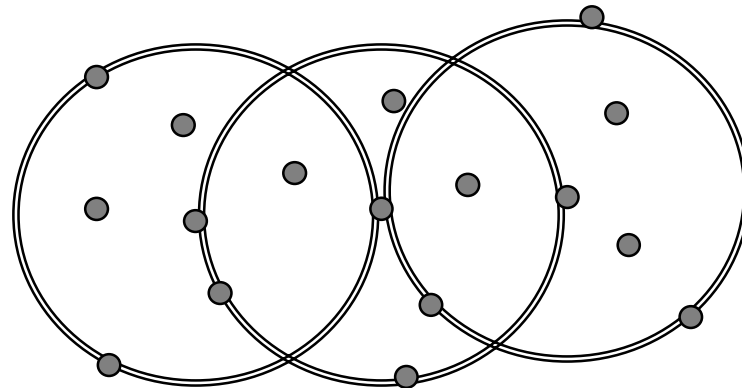


An Update on the Zone Routing Protocol (ZRP)

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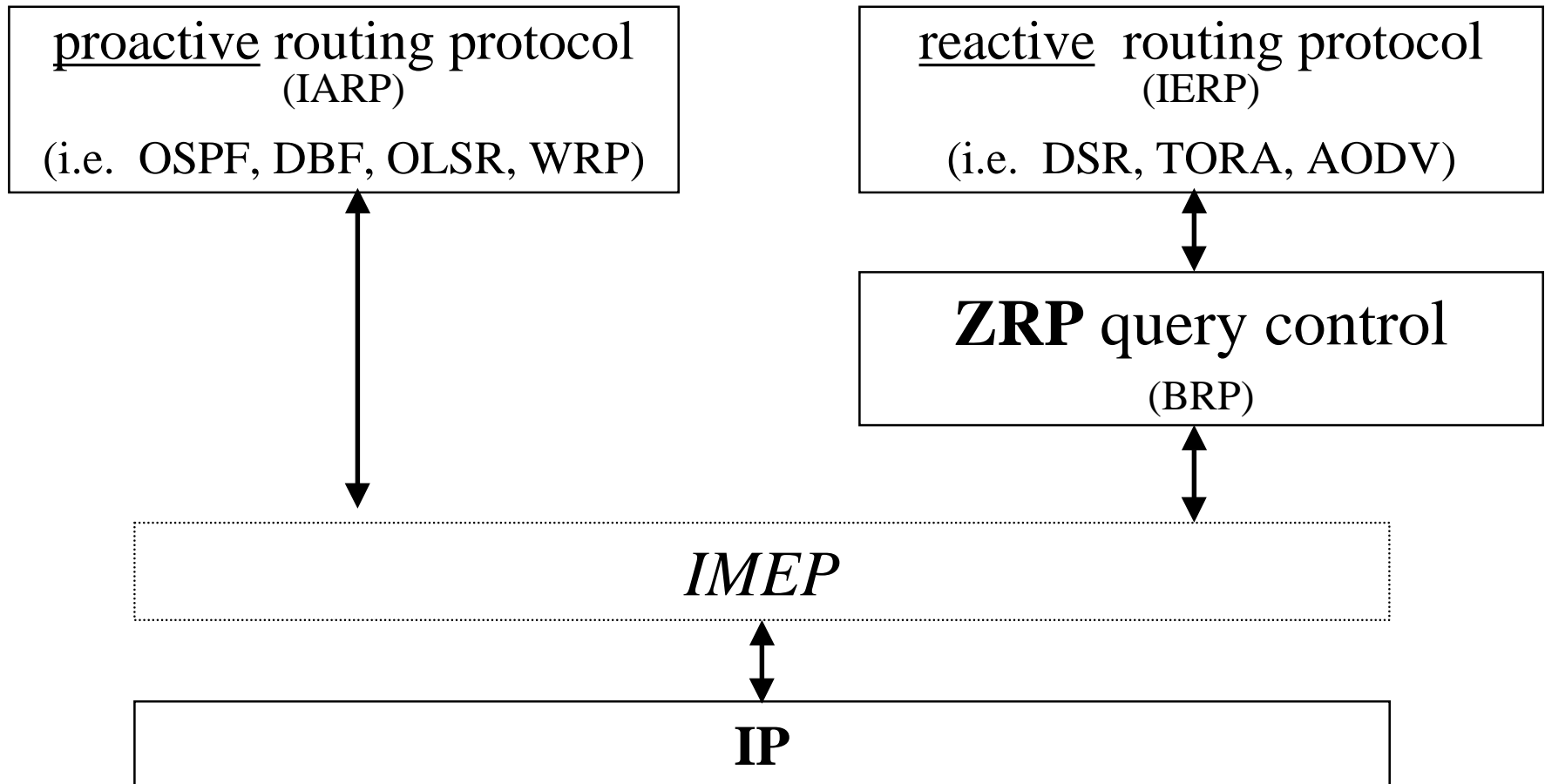
The Routing Zone Framework

- *Proactively track local topology (routing zone)*
- *Reactively query between routing zones*



- Local routes immediately available
- Improve query efficiency (query steering - bordercasting)
- Extend route lifetime
- Reduce source route specification

The ZRP Architecture



Optimizing the ZRP

The Routing Zone Radius (ρ)

	1 \rightarrow ρ \rightarrow ∞	
population	small	large
density	dense	sparse
speed	fast	slow
route demand	low	high

reactive *proactive*

ZRP can be tuned based on network characteristics and node behavior.

Adjustment issues: global vs. local (irregular zones)
 static vs. dynamic (on-line ρ estimation)

