

# Route Construction

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# Problem Statement

- Many mechanisms for setting the Route in a request
  - Service Route
  - Configured and default outbound proxies
  - Record-Route
  - Loose Route
- Confusing in a UA what to do
- Service-Route has major limitations

# Service-Route Problems

- UA behavior not actually specified
- Proxy behavior not actually specified
- No interoperable way for outbound proxies to stay on path
- No ability to change outbound proxy for purposes of HA or maintenance

# Draft Status

- Once again completely redone
- Changes
  - New backwards compatibility mechanism
  - Very complex 3xx mechanism replaced by simpler loose route technique, now in loose route draft

# Proposed Mechanism

- Registrar reflects Path URI into Service-Route, just like Record-Routes
- Main issue is backwards compatibility
  - UA includes Supported
  - Proxies include flag in Path
  - Registrar tells UA to append Service-Route on outbound proxy when outbound doesn't support, else replace
- Result is backwards compatible with IMS

# Open Issues

- Do we really need to know if proxies along the path support this? Perhaps just outbound proxy?
  - Requires some input from IMS vendors