



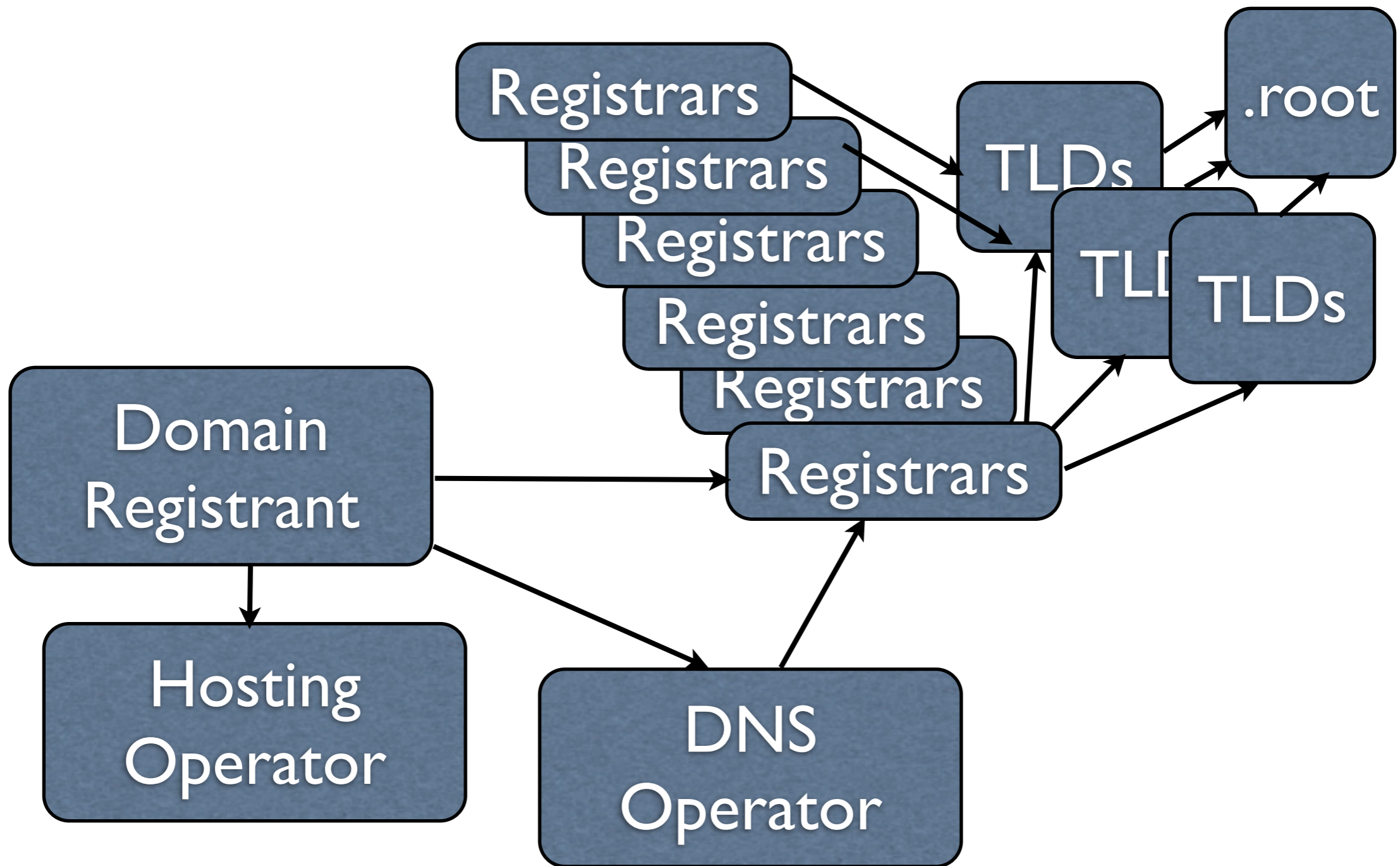
A Leading Russian Domain Name Registrar

***RU-CENTER DNSSEC Experience and
Expectations
(Registrar Point of View)***

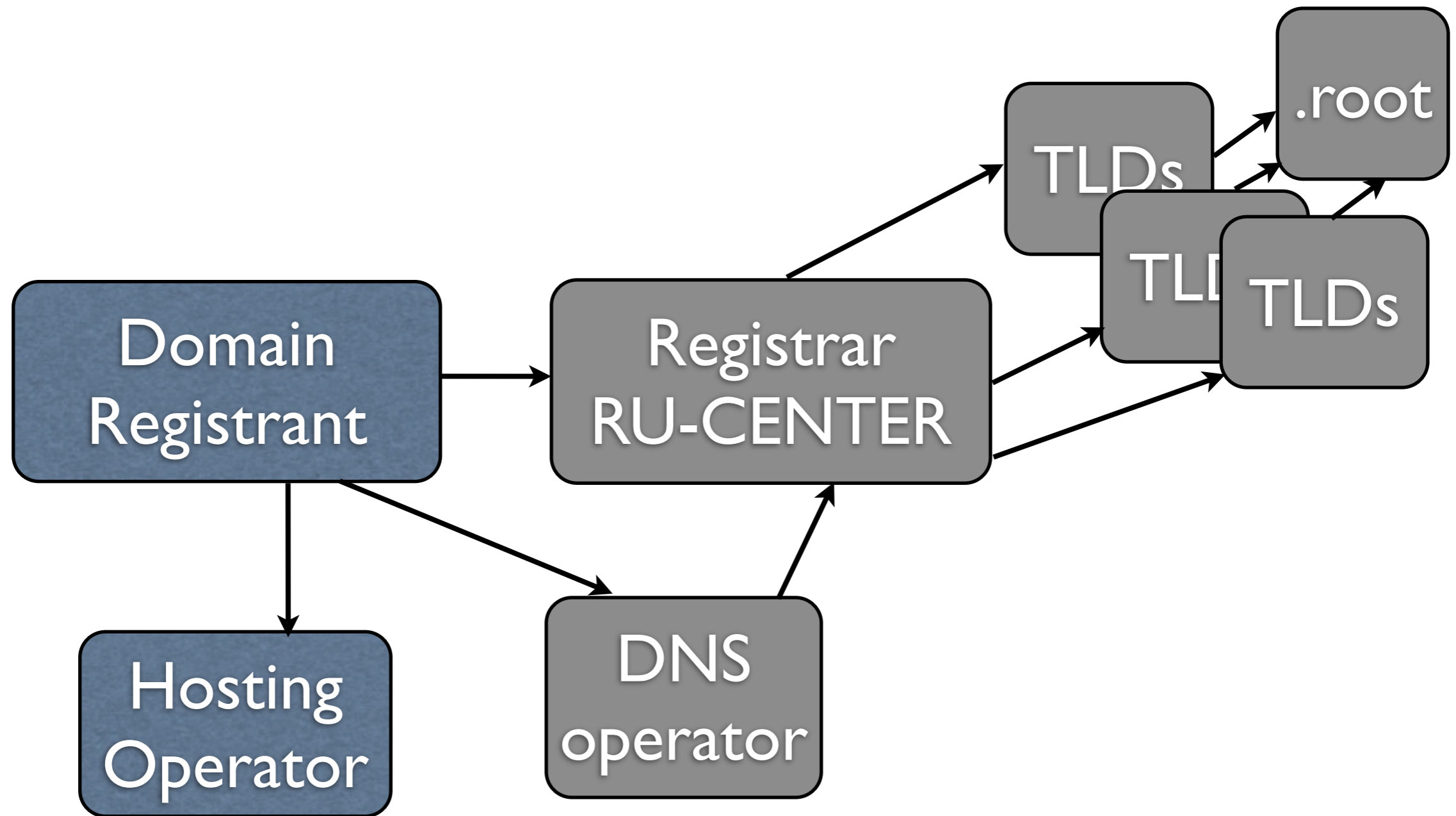
*Vasily Dolmatov - Head of R&D
ICANN 47 DNSSEC Workshop, Durban, 17 July 2013*

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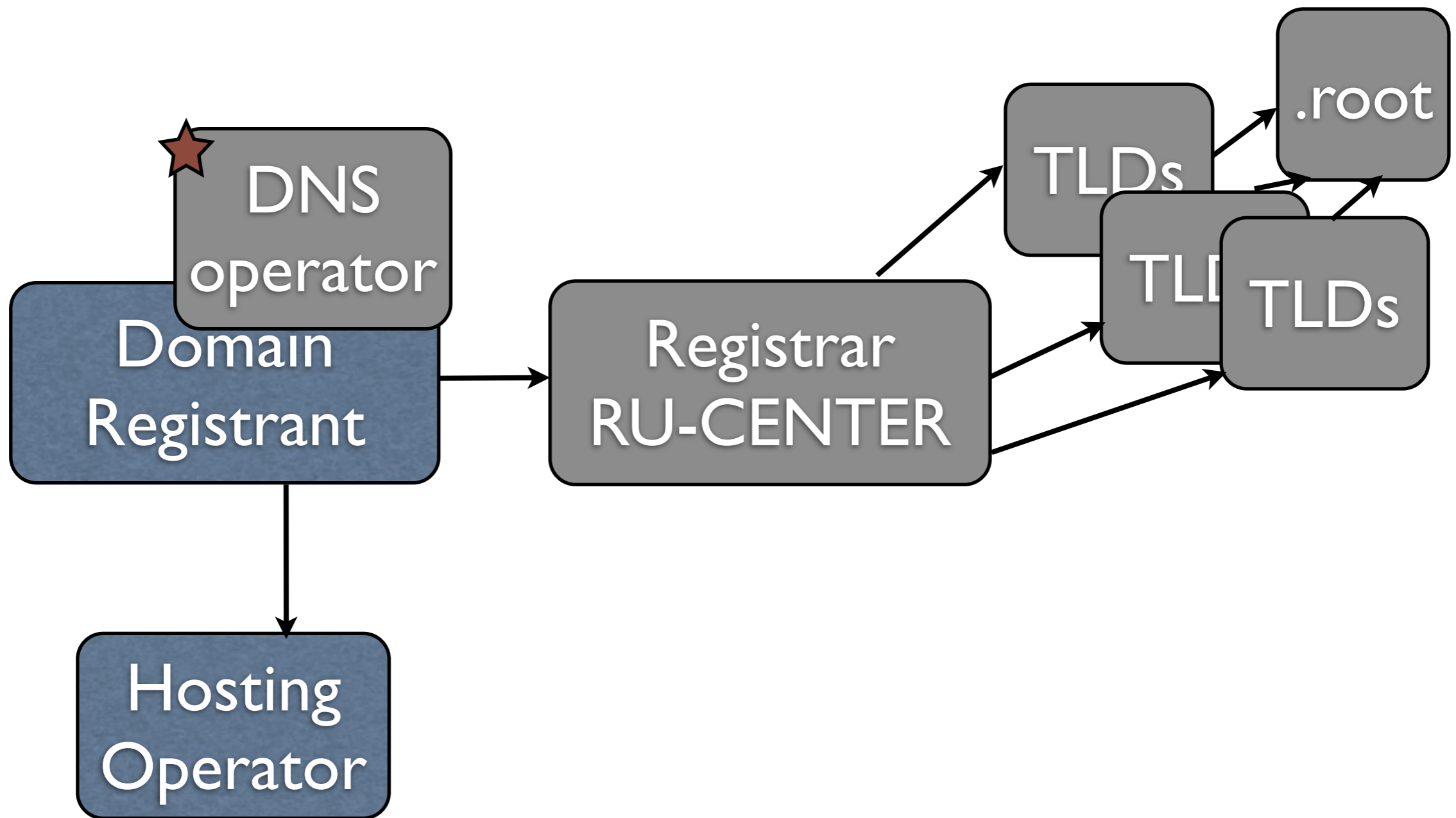
Current DNS System



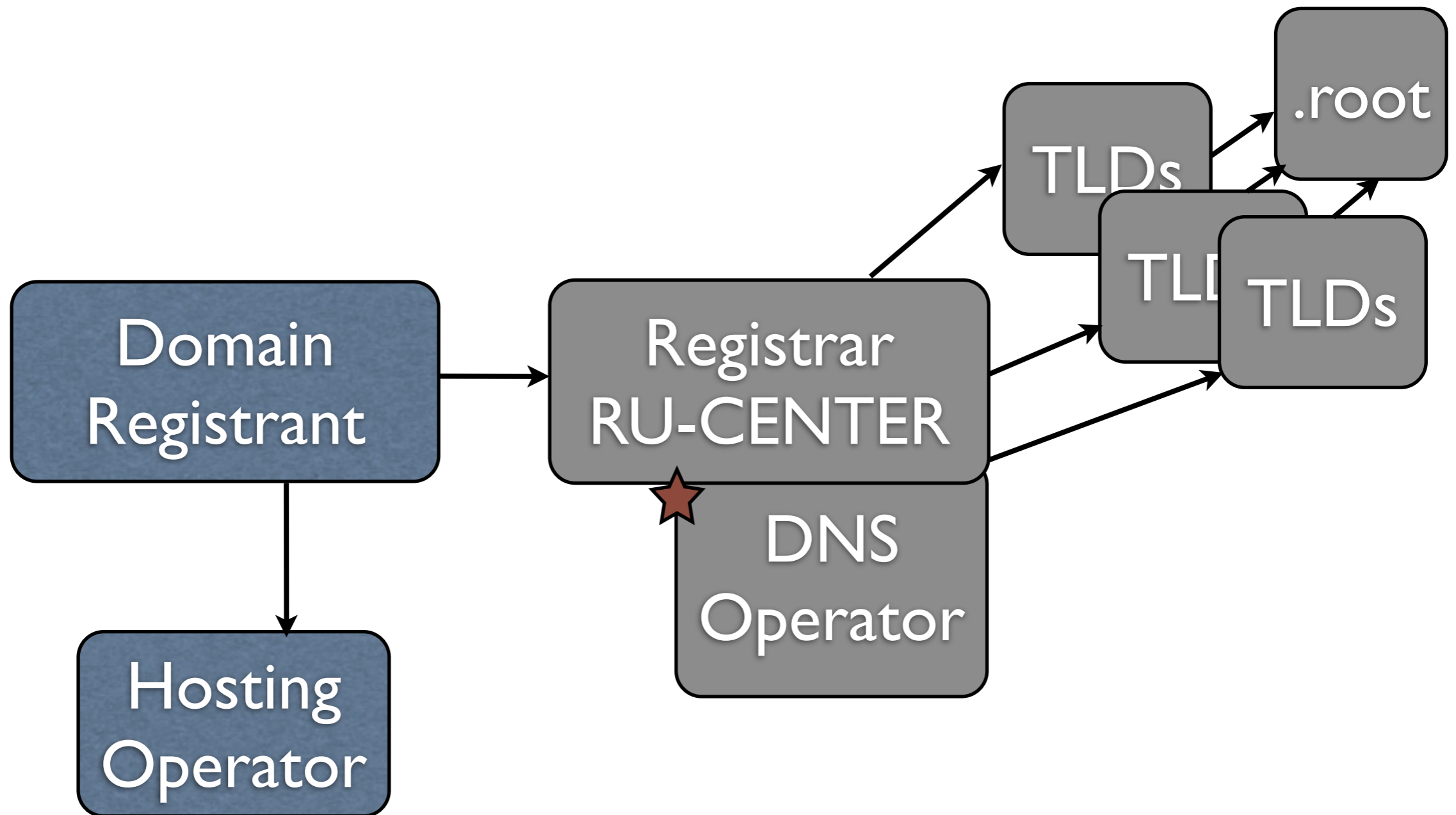
DNSSEC Participants



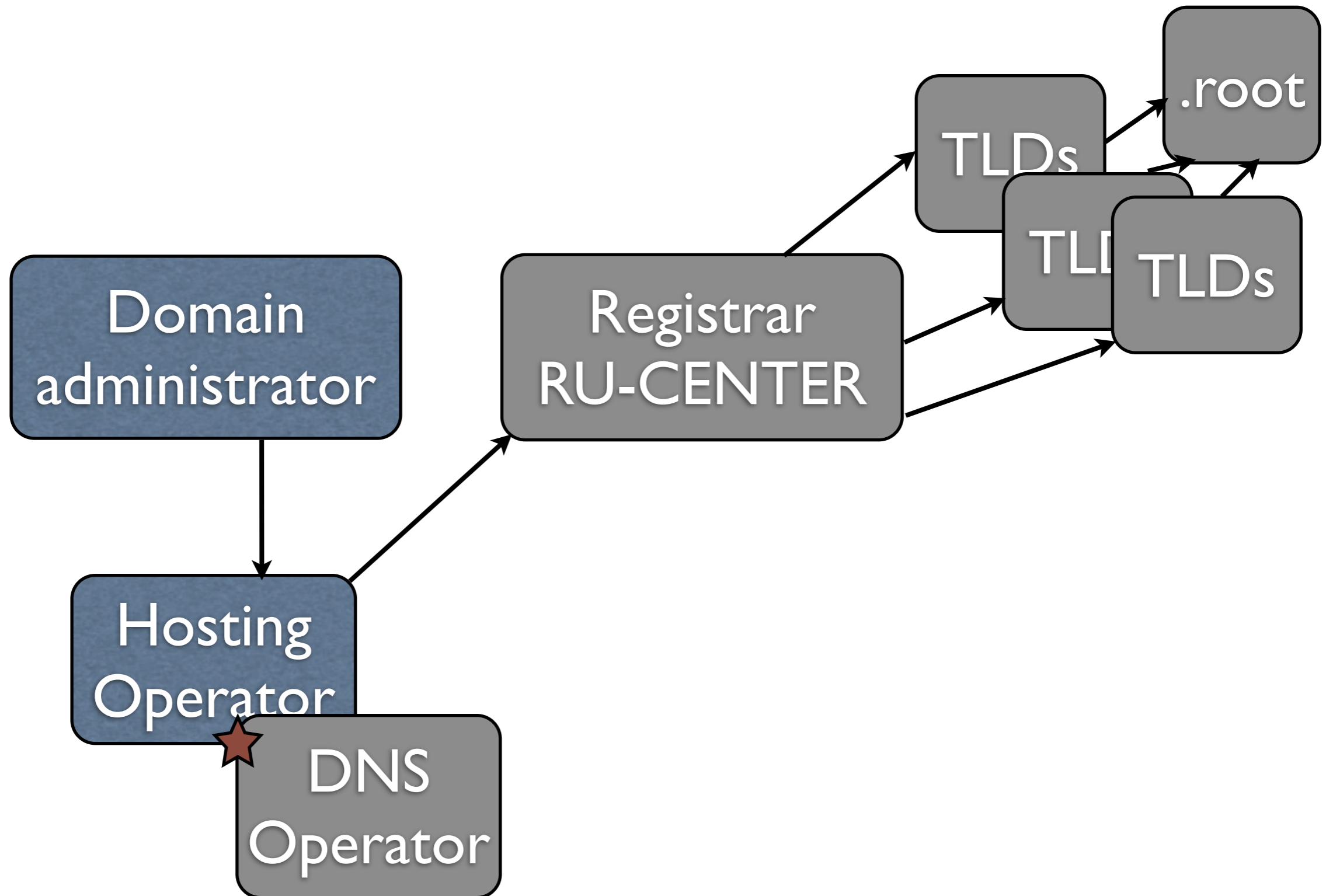
DNSSEC Participants



DNSSEC Participants



DNSSEC Participants



Different set of used algorithms	NOT A PROBLEM
Different number of keys	NOT A PROBLEM
Different key rollover procedures	NOT A PROBLEM
Lack of DNSSEC operation understanding	IS A PROBLEM

Different protocols (EPP parameters, web interfaces, etc.)

IS A PROBLEM

Different set of accepted algorithms

IS A PROBLEM

Different number of keys

NOT A PROBLEM

Different rules (DS or DS+DNSKEY)

IS A PROBLEM

Different key rollover procedures

NOT A PROBLEM

What We Feel
Part 3 - Registrar to Registry

- **Developing and testing own subset of protocols for every registry**
(soon there will be hundreds of them)
- **Implementing different lifecycles and rollover procedures for every registry**
(hundreds)
- **Different sets of algorithms and different rules**
(DS or DS+DNSKEY)

What We Feel Part 4 - Registrar to Clients

- **Clients do not understand DNSSEC functionality and processes**
(tons of questions to support, lots of configuring errors)
- **Problems if a DNS operator is not in the business chain**
- **Registrar is considered responsible by the clients for all unclear DNSSEC procedures**

- **UNIFICATION**
identical set of protocols, algorithms and DNSSEC lifecycles for all registries (new RA seems to address this), possibility to connect to new registries quickly without creating unique interface modules for every new registry
- **COMMUNICATION MECHANISMS**
between registry and registrars better than “periodically consult registry website”

What We Need Part 2 - Registrar to Clients

- **EDUCATIONAL MATERIALS FOR CLIENTS**
describing DNSSEC and its usage in simple words
(not RFC-style)
- **RECOMMENDED PRACTICES FOR END USER DNS OPERATORS**
for implementing DNSSEC, performing key rollovers, etc.
- Recommendation to
PUT DNS OPERATOR IN BUSINESS CHAIN



Any questions?

Thank you!

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