SSM LLP

Proof of Concept

Latest Technology Stack

- Easier to embrace and take advantage of latest tools and technology
- Java, Hibernate, spring, web+mobile
- Multi interface, channel, JSON/REST/web/webservice
- Workflow ready, custom business processes
- Batch job ready, periodical processes

Room for Expansion in Design

- Can handle schema evolution gracefully.
- Can handle future expansion ie ROB and ROC registration
- Can integrate with external via ESB.
- Can integrate with external BI
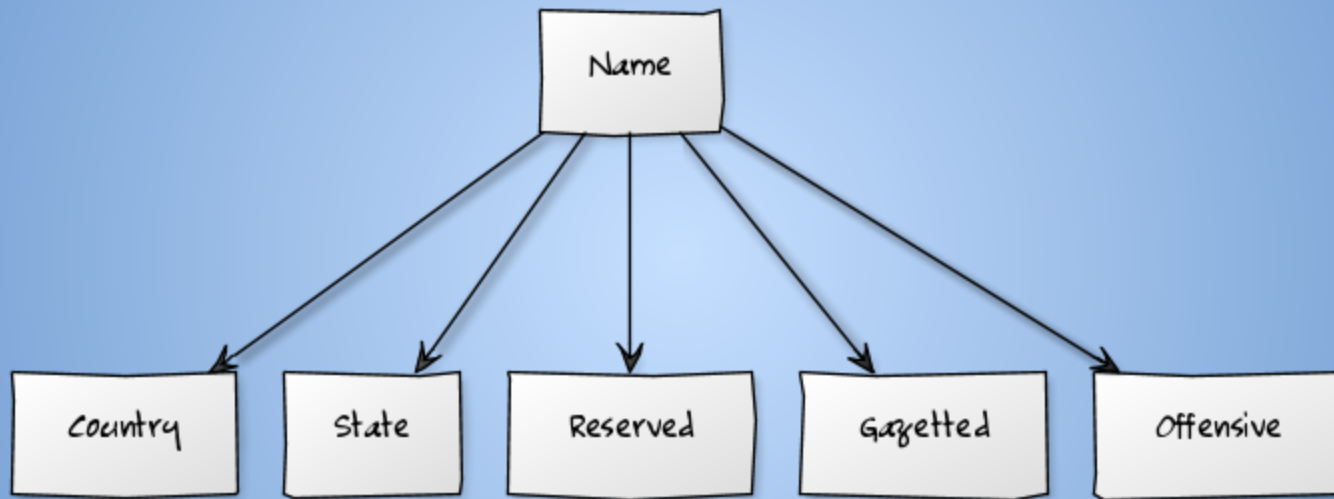- Can integrate with external NoSQL datasource

Dynamic, Configurable Rules &Filter

- Gazetted, Offensive, State, Country - can add record.
- Reserved - expiry, time sensitive
- Rules are scripted, exposed for admin
- Fail-fast design
- Dynamic rules can be inserted at runtime

Performance + Scalability

- Can take advantage of L1, L2, distributed cache.
- Memcached or Redis ready
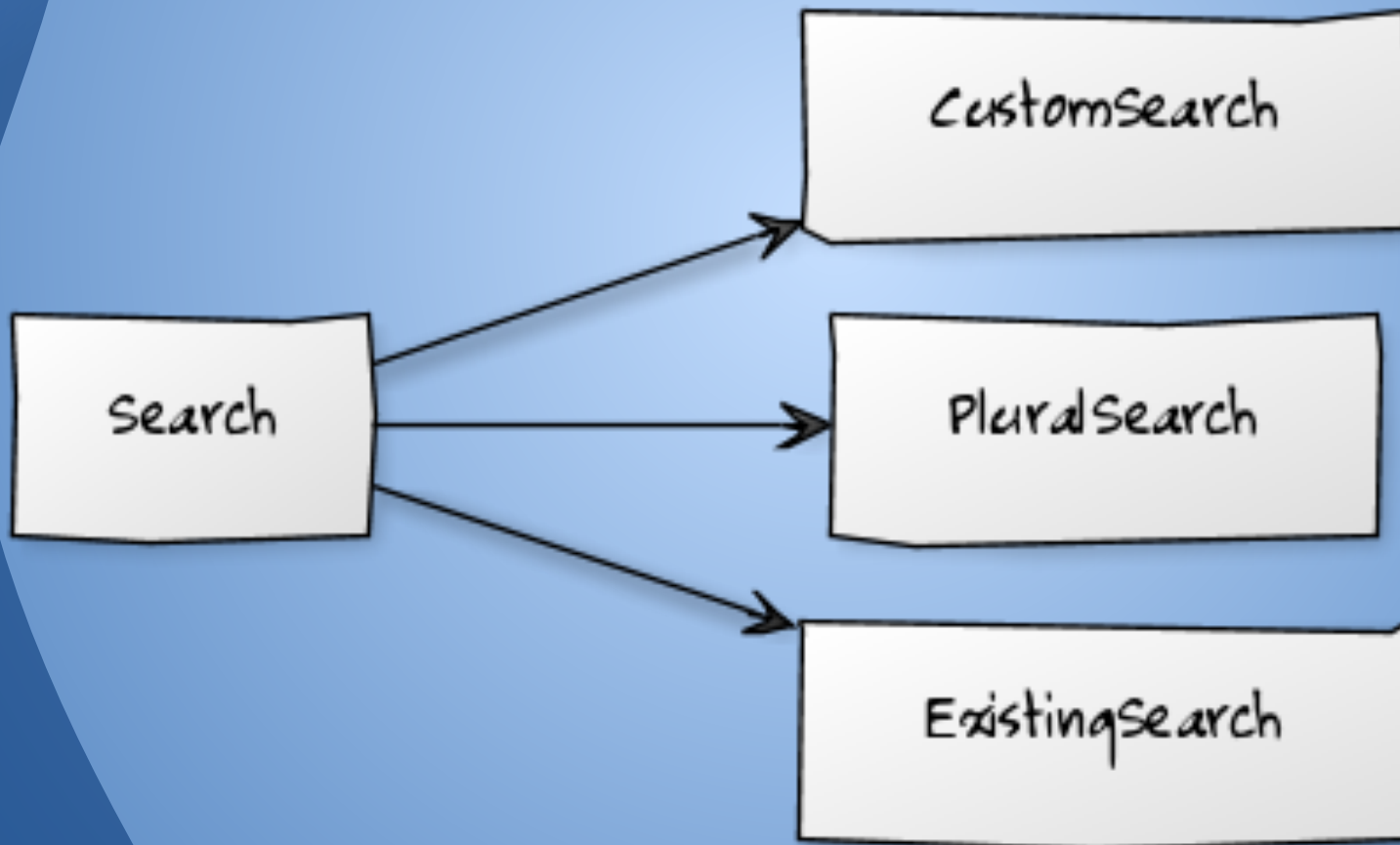- Cloud ready, deploy on clustered application server

Overview of Designs

Overview of Designs Cont

- Name filters are built with expansion in mind
- Name filters are record-based filters with script-based language
- Dynamic, runtime evaluation of expression yields filtering results

Overview of Designs Cont.

Overview of Designs Cont.

- Search filters depend on records
- String utility is used to **permutate** and **pair** words together for **thorough** validity checking
- Search filters are record-based filters with script-based language
- Dynamic, runtime evaluation of expression yields filtering results
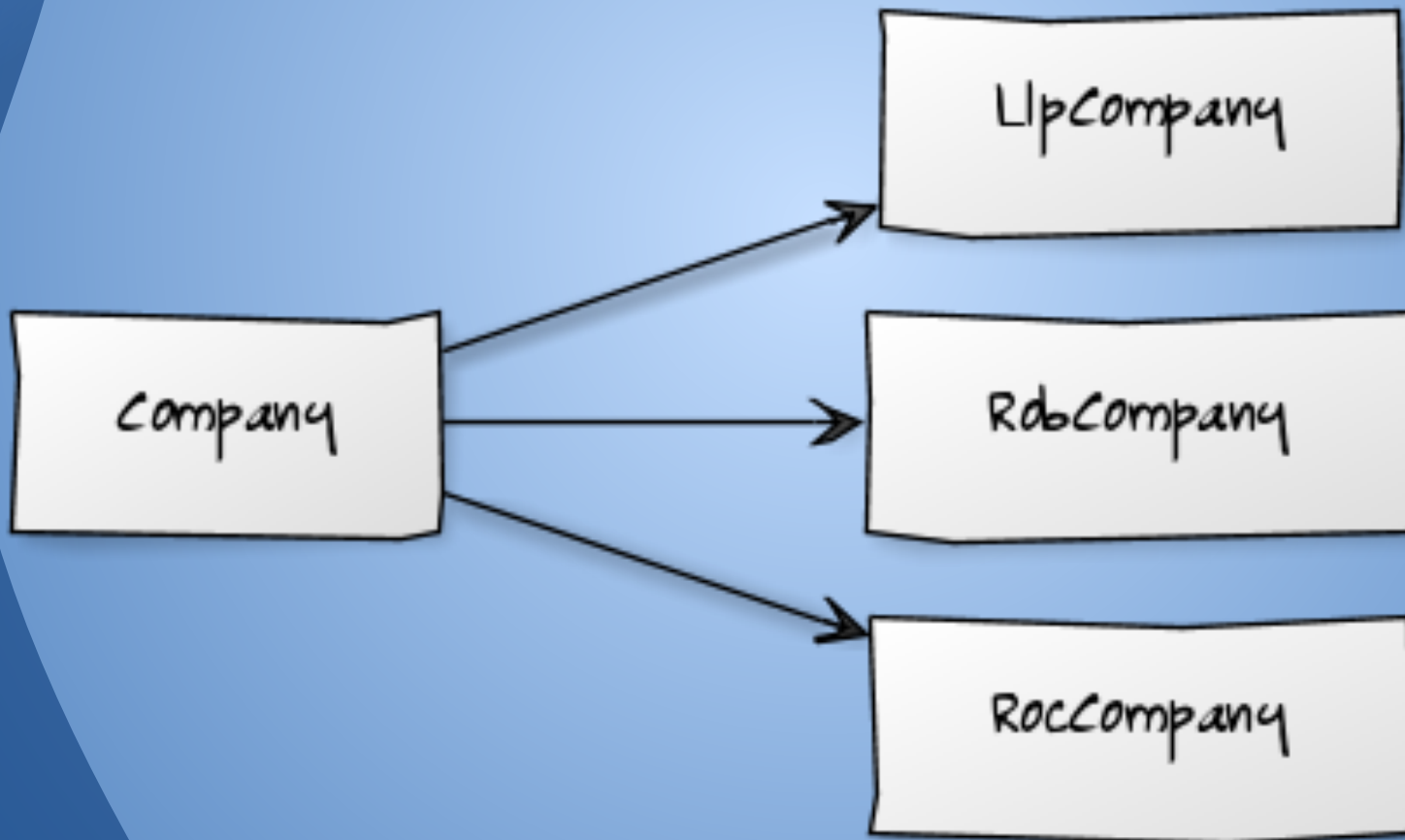
Overview of Designs Cont.

Aggregation of Filters

Overview of Designs Cont.

- Two types of Filters (Poison + Search)
- Aggregation of filters yields result for name validation
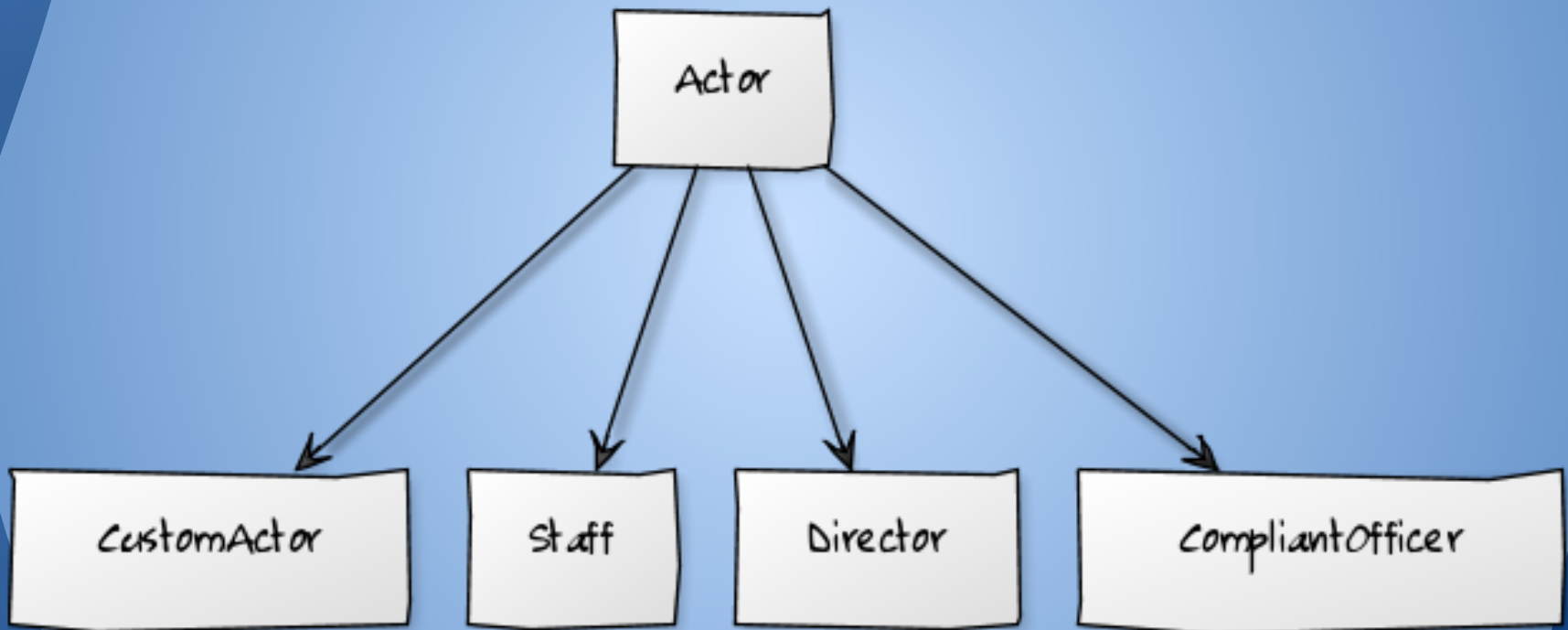- Each type can have multiple catridge of filters (i.e OffensivePoison, UsedPoison, SymbolPoison, CountryPoison)

Overview of Designs Cont.

Overview of Designs Cont.

- Design of company record has future expansion in mind
- Can handle ROB, ROC name search as well (in the future…)
- Can also handle batch exporting of legacy data into the system

Overview of Designs Cont.

Overview of Designs Cont.

- The user of the application also has a build in expansion
- Future CustomActor can be build into the system and take advantage of the features