Provider Selection

Past

- constraints:
  - image availability
  - quota

- provider account priority

Present

- **strategies**
  - pluggable via the decorator pattern
  - default set is shipped with Conductor
  - admin defined strategies

- **random selection: spread the load across providers**

Provider selection framework

- Strategy

- ChainableStrategy

- Match

- PriorityGroup

- Rank

Provider selection strategies

- **Strict Order**
  - user defined priority groups

- **Penalty for Failure**

Creating a new strategy

in `vendor/provider_selection/strategies/strategy_name/`

- `strategy_name.rb`
  - configs
- `strategy.rb`
  - works on rank

optional:

- views:
  `vendor/provider_selection/views/strategy_name/_edit.haml`

Future

- Cost based selection strategy

- Graphical representation of probabilities

- Strict Order -> Burst Capacity