

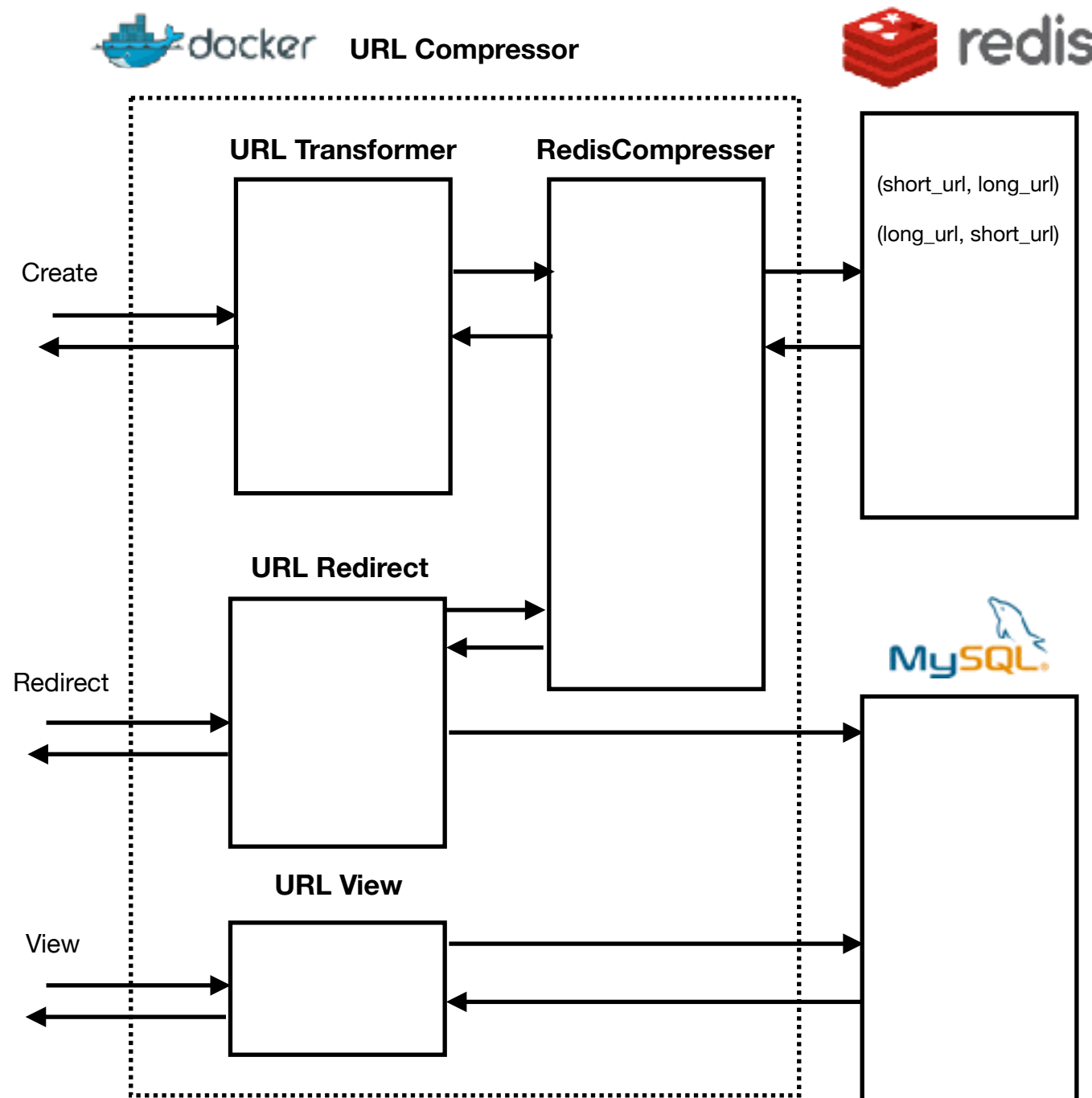
URL Shortener

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Functionality Overview

- 4 random digits generated per long url.
- Basic idea: one to one relation long url \leftrightarrow short_url.
- It can handle $52^4 = 7.3$ M non-duplicate long urls.
- No extra overhead made by the database when creating/redirecting short urls.

Design Overview



Scalable System Design

