

#### Redes e Sistemas Distribuídos

#### **Trabalho 2**

Universidade Federal do Ceará - Quixadá Engenharia de Software

**Data:** 10/12/2013

### Alunos

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# Requisitos da Aplicação

- Implementar replicação: Duas instâncias do servidor.
- Implementar consistência: O acesso aos servidores deve sempre mostrar dados atualizados.
- Implementar balanceamento de carga: As requisições dos clientes para os servidores devem ser distribuídas.

#### Tecnologia

**Python 2.7.6** 

(sockets, thread, os, sys, random)

Explicit is better than ugly.

Explicit is better than implicit. Simple is better than complex. Complex is better than complicated. Flat is better than nested. Sparse is better than dense.

Readability counts. Special cases aren't special enough to break the rules.

Although **practicality** beats purity. *Errors* should never pass silently. Unless **explicitly** silenced. In the face of ambiguity, **refuse** the temptation to guess. There should be **one** — and preferably only one — obvious way to do it. Although that way may not be obvious at first *unless you're Dutch*. **Now** is better than never. Although never is **often** better than *right* now. If the implementation is *hard* to explain, it's a **bad** 

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# Sistema distribuído de Publicação de Notícias

## Cenário



Cliente

Thread é Finalizada Sempre que todos servidores estiverem disponível

ca os dores níveis Servidor **#1**Disponível e recebe
uma **Cópia** 

Middleware envia a noticia à um servidor aleatório

Middleware

recebe a notícia mas não **Replica** 

Replicação + Consistência + Balanceamento de Carga

Cliente se

conecta ao

Middleware

Servidor #3
Disponível e recebe
uma **Cópia** 

Servidor #2



# Repositório

- Github:
  Nosso código está disponível para download
- https://github.com/kamihouse/ UFC-Redes-Replicacao

