Intro

Virtual Companies

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Definition

What are virtual companies?

- Employees (developers, administration, marketing, sales, etc.) work at more than one geographical location.
- Employees cannot easily physically contact each other.
- Employees need close collaboration.
- Employees do not work in larger offices, but rather at their own places or in rented

Additional

- Employees do not necessarily speak the same language. (And there are usually no visual clues.)
- Employees may work in different timezones.
- Employees may come from different cultures and economies (work habits, salaries, collaboration style).

Branch Offices?

- Companies with branch offices are not virtual companies (at least not necessarily so).

- For most intents and purposes, the branch offices can be considered separate companies (with a common technical and economical goal).

Technical

- Challenge No. 1: Ensure reliable communication channels.

- Challenge No. 2: Maintain your source code.

Communication

- The actual communication channel is not so important as long as it works reliably and meets your requirements.

- Some aspects: asynchronous vs. synchronous channels, latency, cost

Communication

- Asynchronous channels: Email (low to medium latency, low cost), snail-mail (high latency, medium cost), fax (low to medium latency, low cost)...

- Synchronous channels: Telephone (low to high cost), video conferencing (medium to high cost), IRC (low cost), IP telephony (low cost)

Communication

- Team members must feel comfortable with communication channel (which often excludes video conferencing)

- Institute communication policies: Prefer asynchronous communication where possible, set a maximum response time (to decrease latency).