Game Server

Requirements

Each option will be scored against the following key requirements:

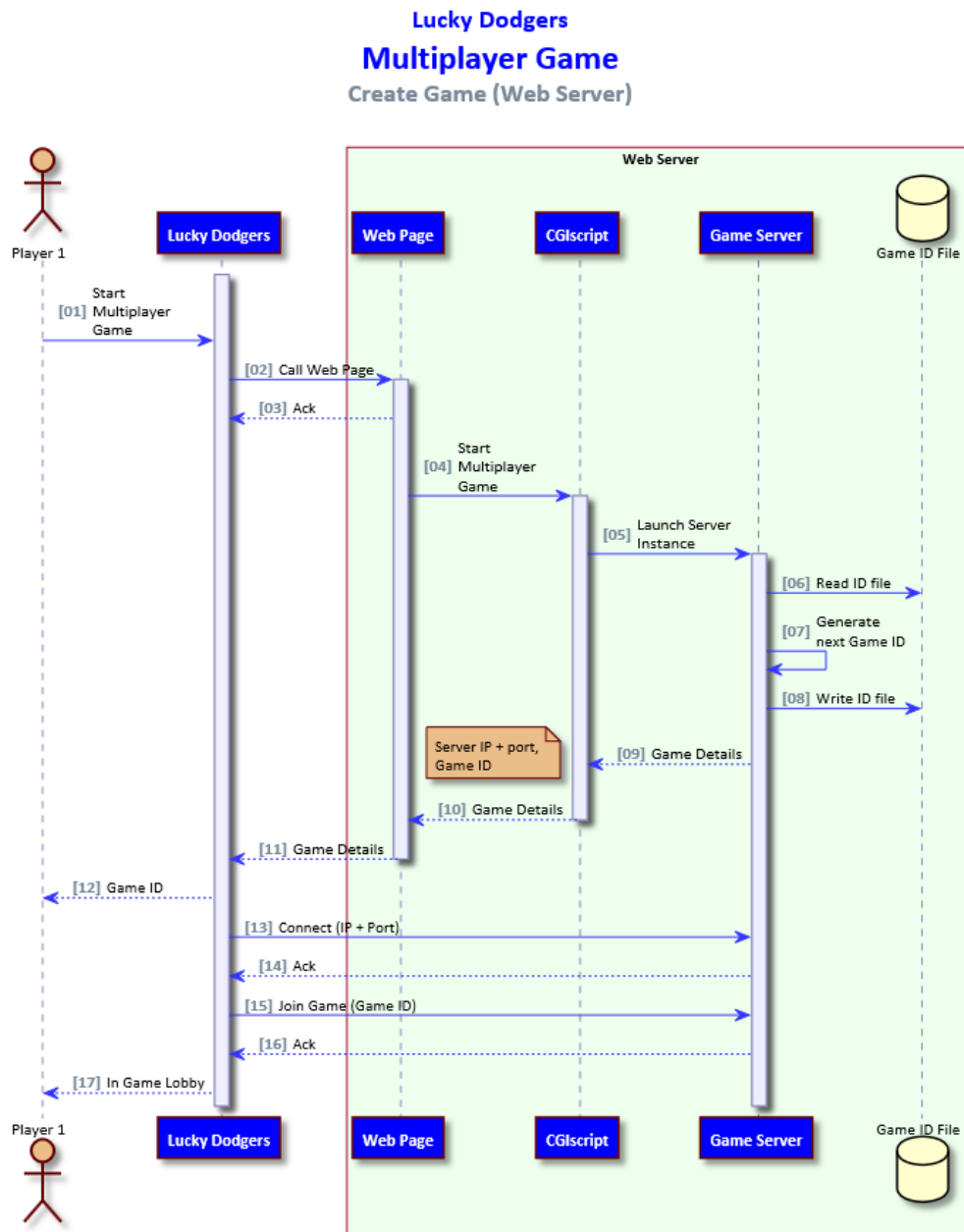| Always available	Fixed address	Low latency	Low cost

Options

Use existing web-hosting service

Lucky Dodgers

Multiplayer Game

Create Game (Web Server)

Pros
- High availability
- Low lag
- No extra cost

Cons
- Not possible due to only ports 21 and 22 being available; no other ports allowed on current hosting package
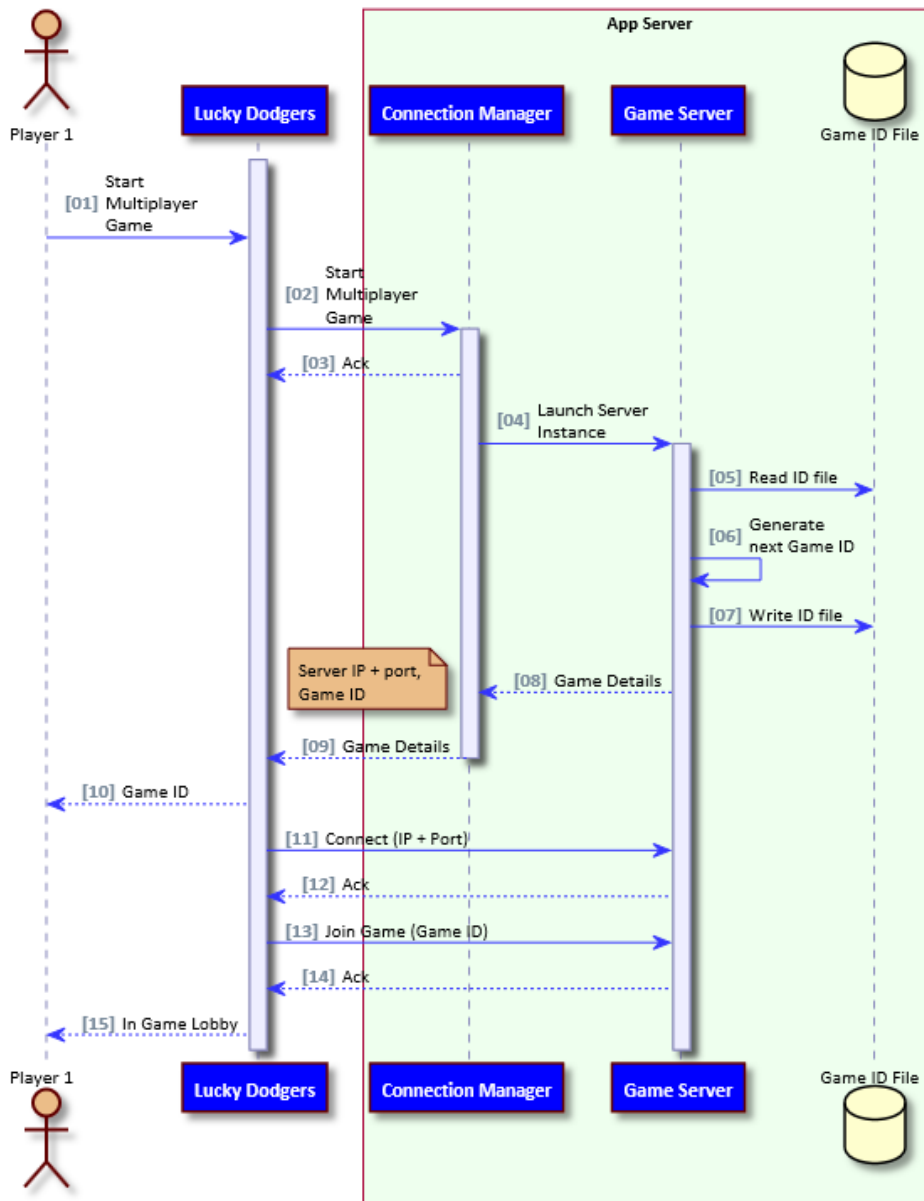
Always available	Fixed address	Low latency	Low cost

Use Dedicated App Server

Lucky Dodgers

Multiplayer Game

Create Game (App Server)

Pros
- High availability
- Low lag

Cons
- Cost of approx. £10 per month

Always available	Fixed address	Low latency	Low cost

Use Home Server
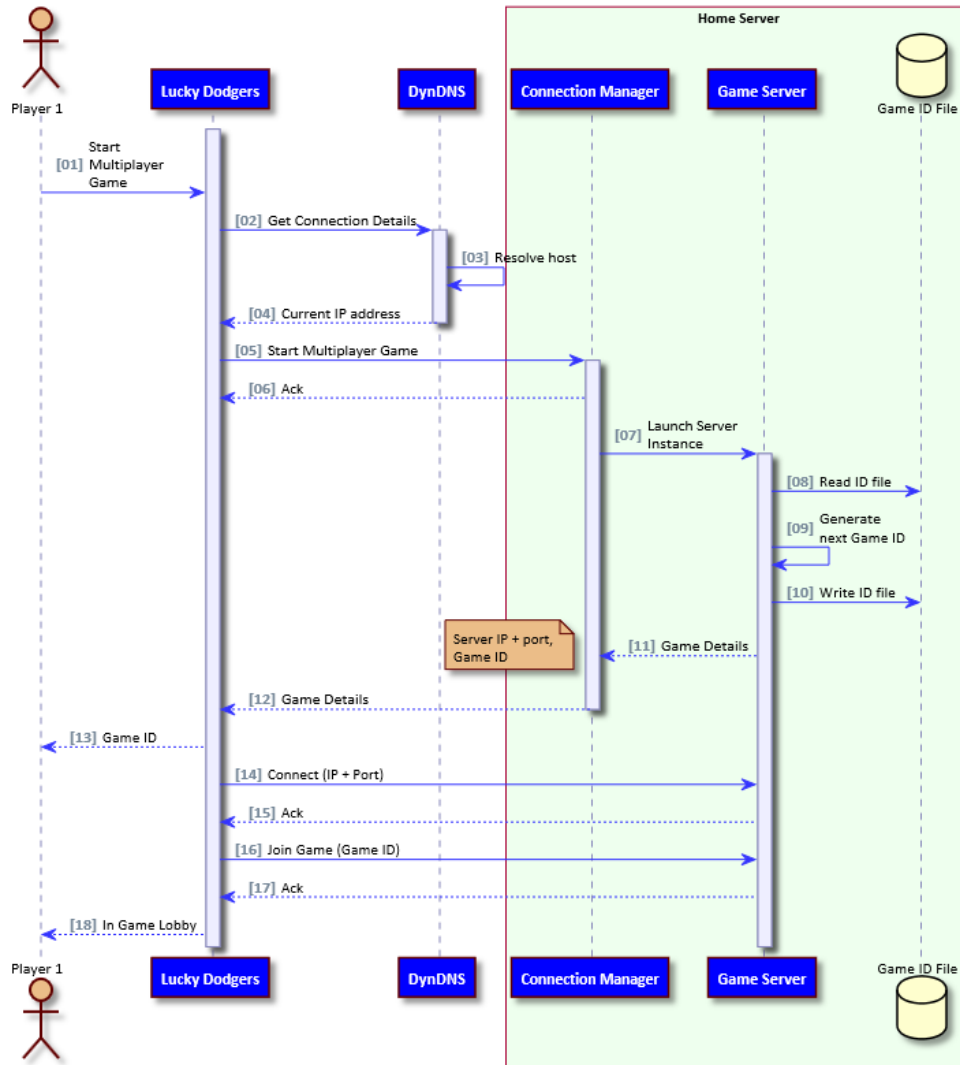
Pros

- No extra cost; DynDNS can be free as well
- Full flexibility around design and development

Cons

- IP address is dynamic hence require a DynDNS service
- IP address can still change mid-game (at behest of VM)
- Need to have home PC on all the time (for game server and for DynDNS updates)
- Possible speed and latency issues due to it being a home connection
- Low availability potentially due home PC and router with no redundancy

Always available	Fixed address	Low latency	Low cost
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