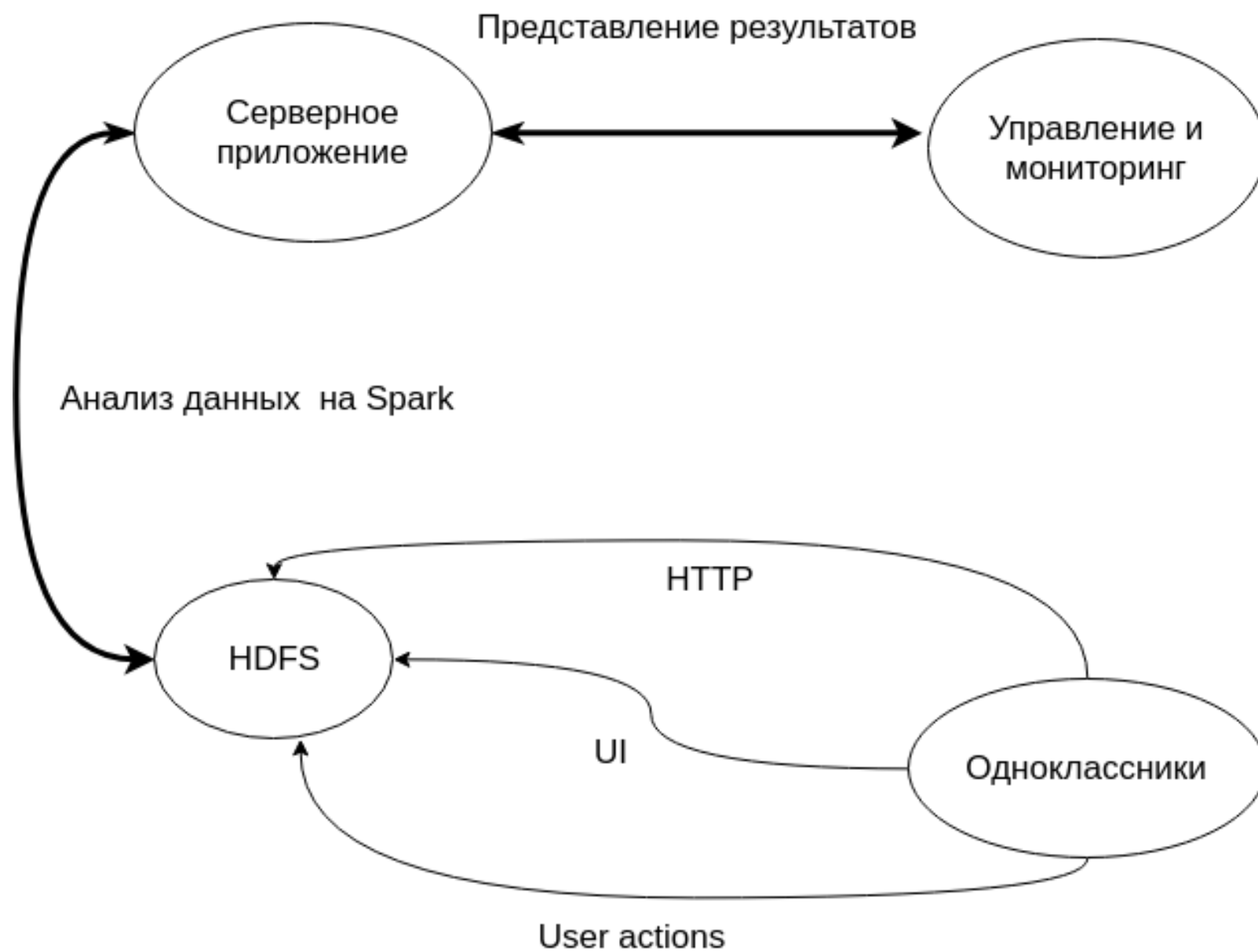
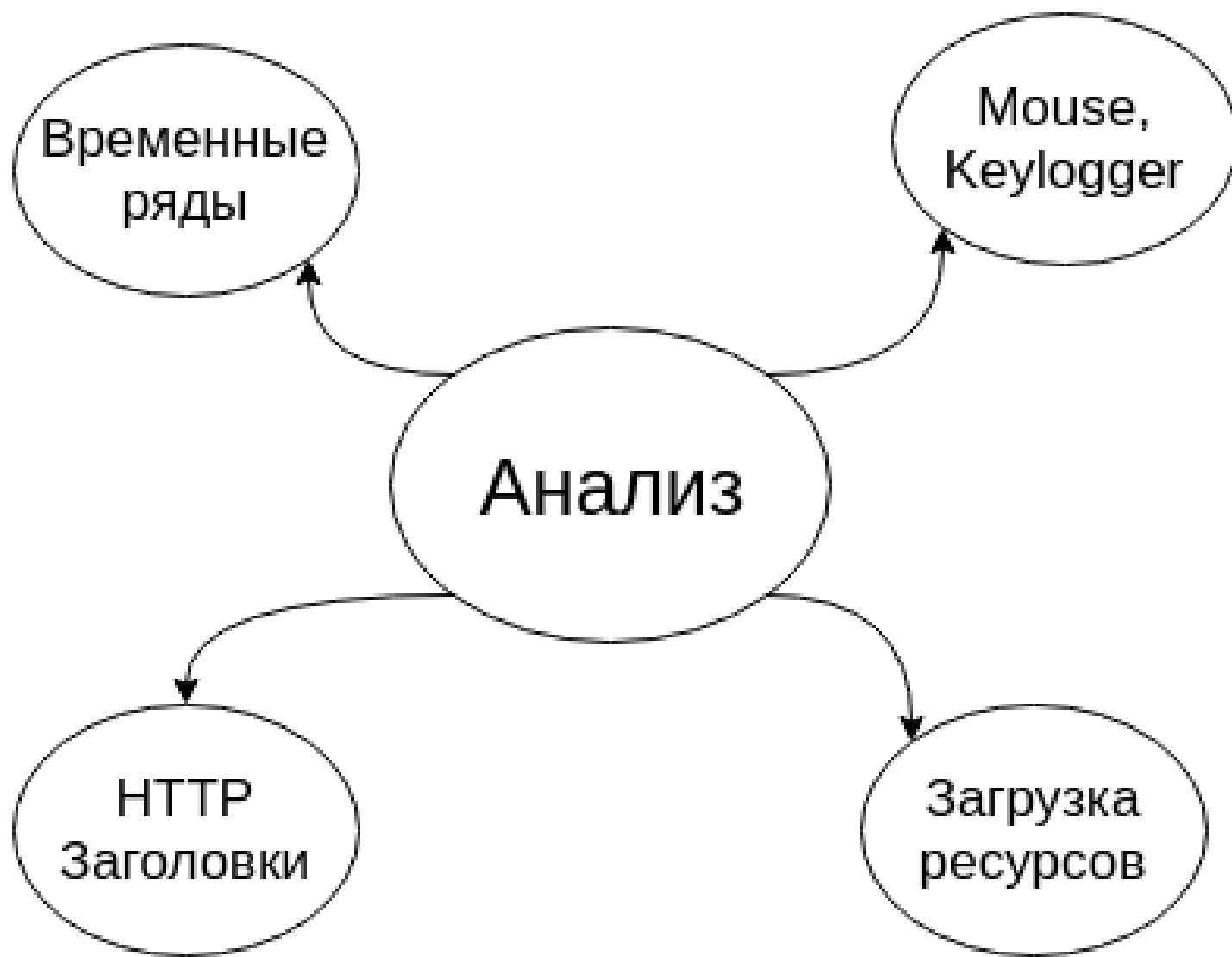


Обнаружение ботов







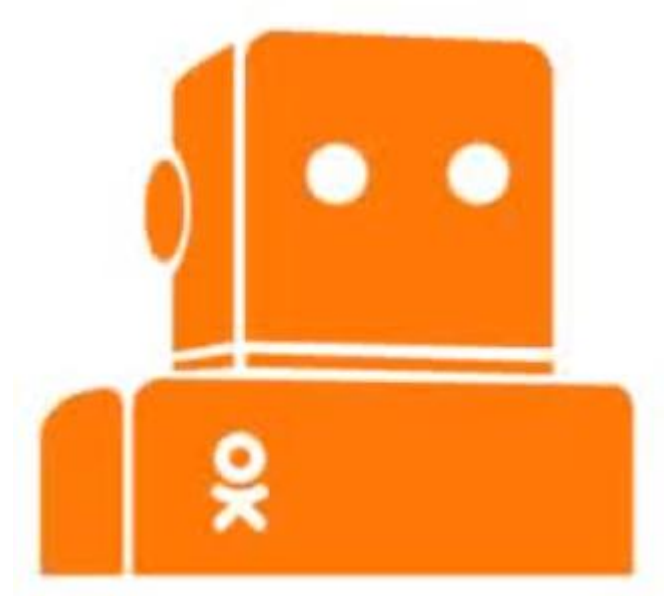
Full stack bots

Features:

- Use full web technologies stack.
- HTTP signatures are similar to those of browsers.
- May mock user behavior.
- There are a lot of tools to build such bots (iMacros, Selenium, ...)

Detection approaches:

- Behavior analysis.
- Suspicious usage of inputs (mouse moves, clicks, ...)



Request based bots

Features:

- Send forged request directly (do not use browsers)
- Require less resources than full stack bots.

Detection approaches:

- Odd http headers.
- Suspicious session and authentication tokens usage.
- Partial web content downloading.

