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Abstract

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SDE Tools server

[Document subtitle]

**History**

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1. Vision and scope
   1. Business requirements
      1. Background

Based on my experience on different assignments the following activities must have been carried out:

* Follow execution application execution.
  + Logs
  + Databases
  + Processes and threads
  + Memory
* Create reports based on these activities.
* Follow deployments.
* Follow tests of non regression tests.
* Follow different tools: Jira, XLDeploy, Master Deploy, Snow It, Bug Reporting Tools etc.
* Inform persons about these activities or the result.

These activities have been executed manually or using ad-hoc created tools.

These activities have been executed on one workstation or on servers. Usually on DEV server we have admin access.

* + 1. Business opportunity

Based on this experience the I want to create an open tool that allows the automatization of this kind of tasks.

* + 1. Business objective

Create a server that can execute different actions.

The server will run a socket server that can process text command lines.

* + 1. Business assumption

1. Requirements management
   1. Technical requirements

The server will be developed as dot net core server.

The communication with a client will be done via Sockets.

The communication will be done as a command line. Text for requests and text for answer.

* 1. Create a simple socket server that is configurable.
     1. Add specific configuration.
     2. Add command processing.

The format of the command: <command name> + <parameters>

<parameters> = <parameter name> + <parameter value>

Spaces not allowed in <parameter name> or <parameter value>

If parameter value must contain “space” delimiters should be used. “ = quotation mark

Level 4

1. Analysis
   1. Add command processing.
      1. Create a parser for the specified command line

Chose tool to generate lexer for C#.

1. Project management
   1. Iterations
      1. Version with socket server + log + config
      2. Version with command processing