# Case Analyzer Design

**Normally diagnose steps:**

1. Service status & process existence
2. Basic function test
3. Log analyze (ELK/location) :

Map pattern -- > get solution or generate report

1. More details debug
   1. pdb/gdb/logging (cannot automation)

Solution pattern: Specified root cause and solution. (doctor/pattern generator)

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Triage pattern: Used to defined end condition Or Next action trigger

**Trigger:**

1. Resource ID ERROR
   1. Log analyzer by resource id --> Index Triage pattern and Solution pattern
2. Component/services ERROR without Resource Id
   1. Log analyzer by service type --> index Triage pattern and solution pattern

**Diagnose**

1. Pattern map to component diagnose actions
2. Service diagnose actions:

1.1 Service status scripts

1.2 Log analyzer by service type --> index Triage pattern and solution pattern

**Output**

Report

Script result

Pattern

Log result

ToDoList:

1. Log Index (70%)
2. Triage pattern collection (1%)
3. Diagnose Actions by component (20%)