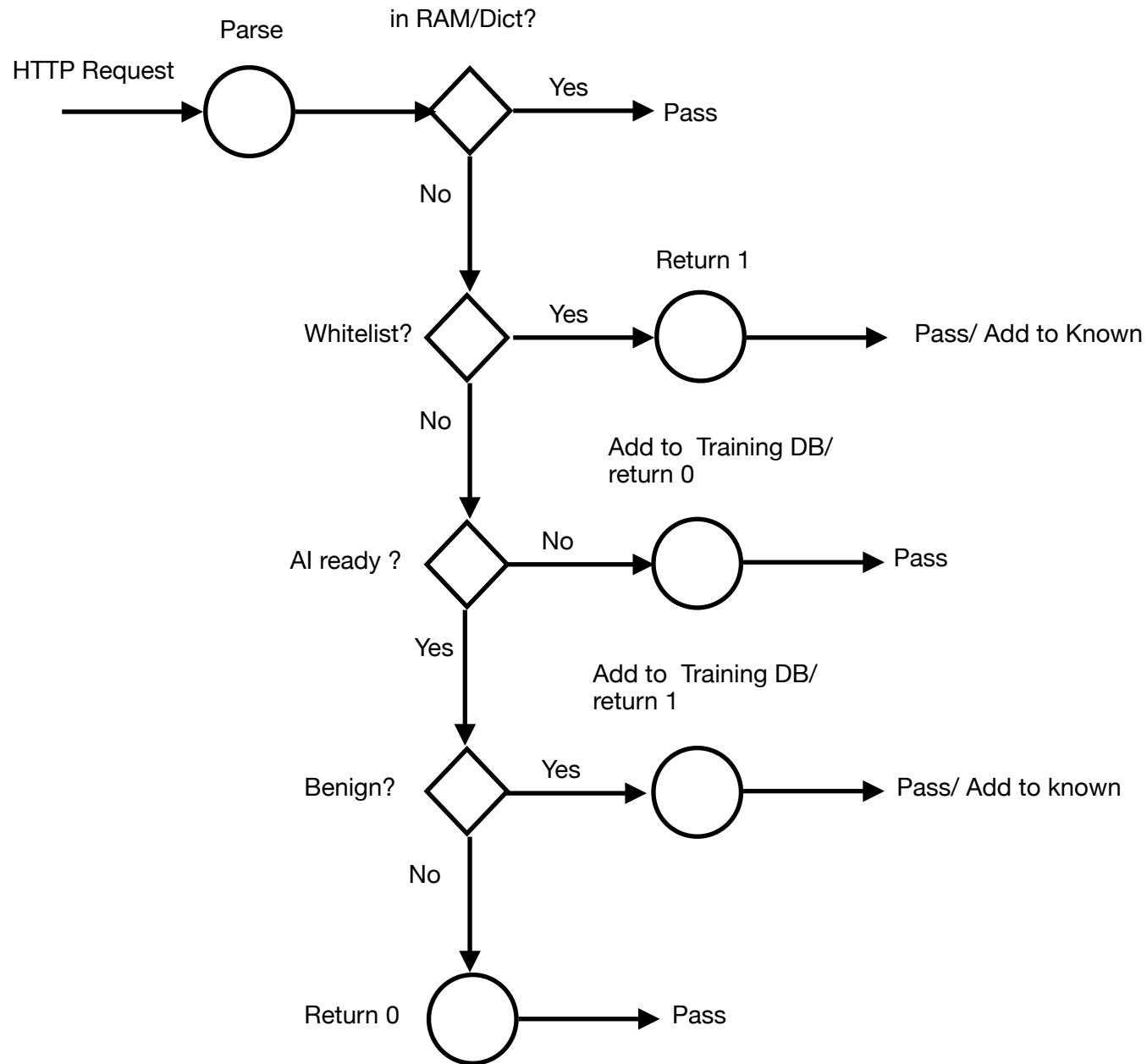
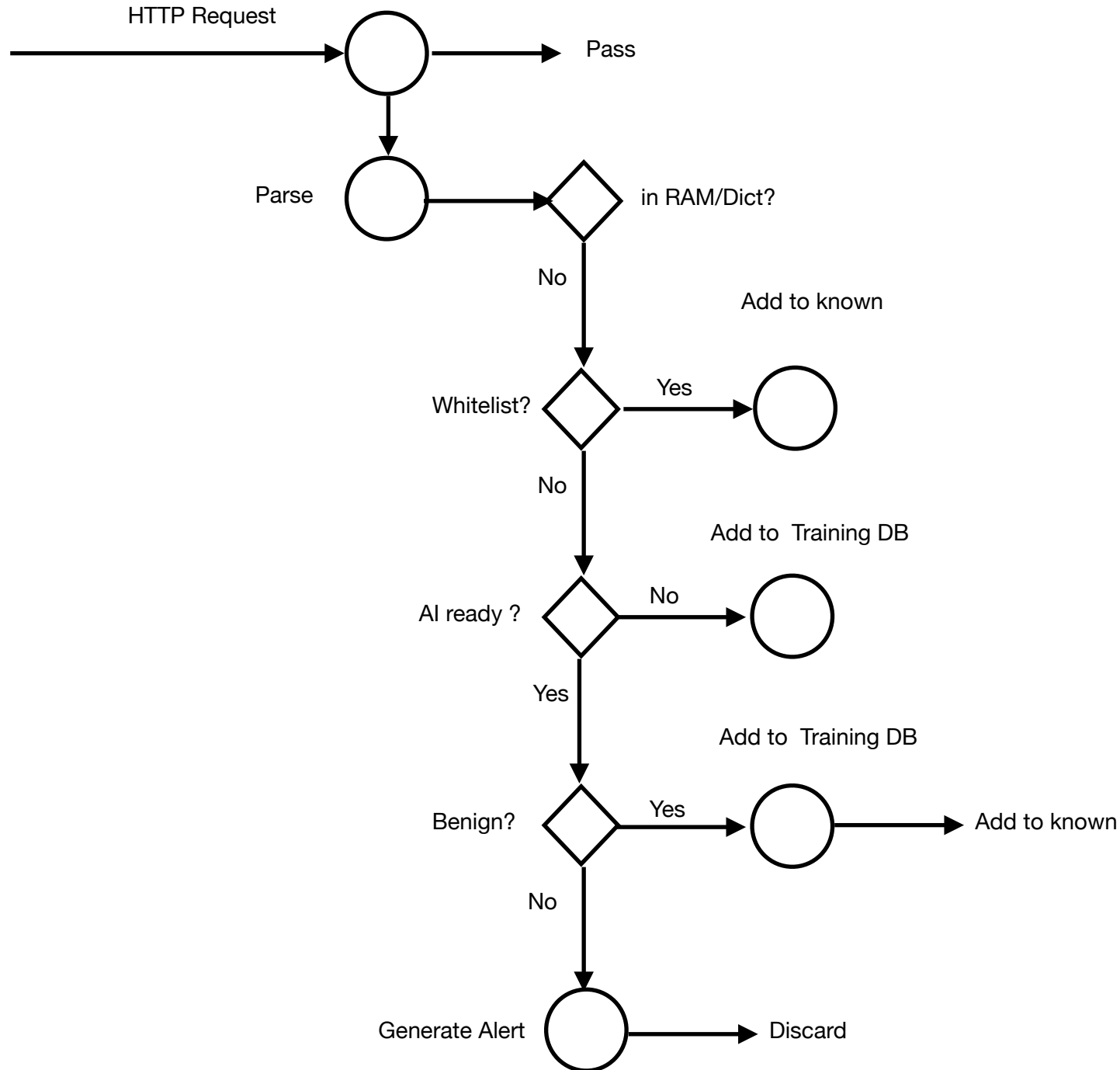


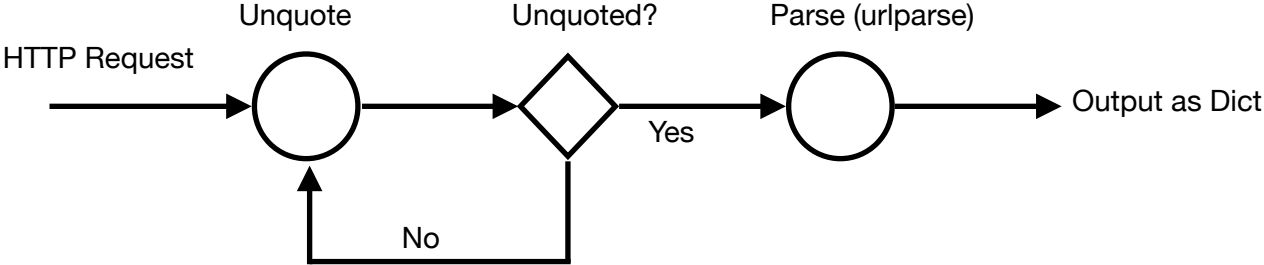
# HTTP Request Flow Alternate 1



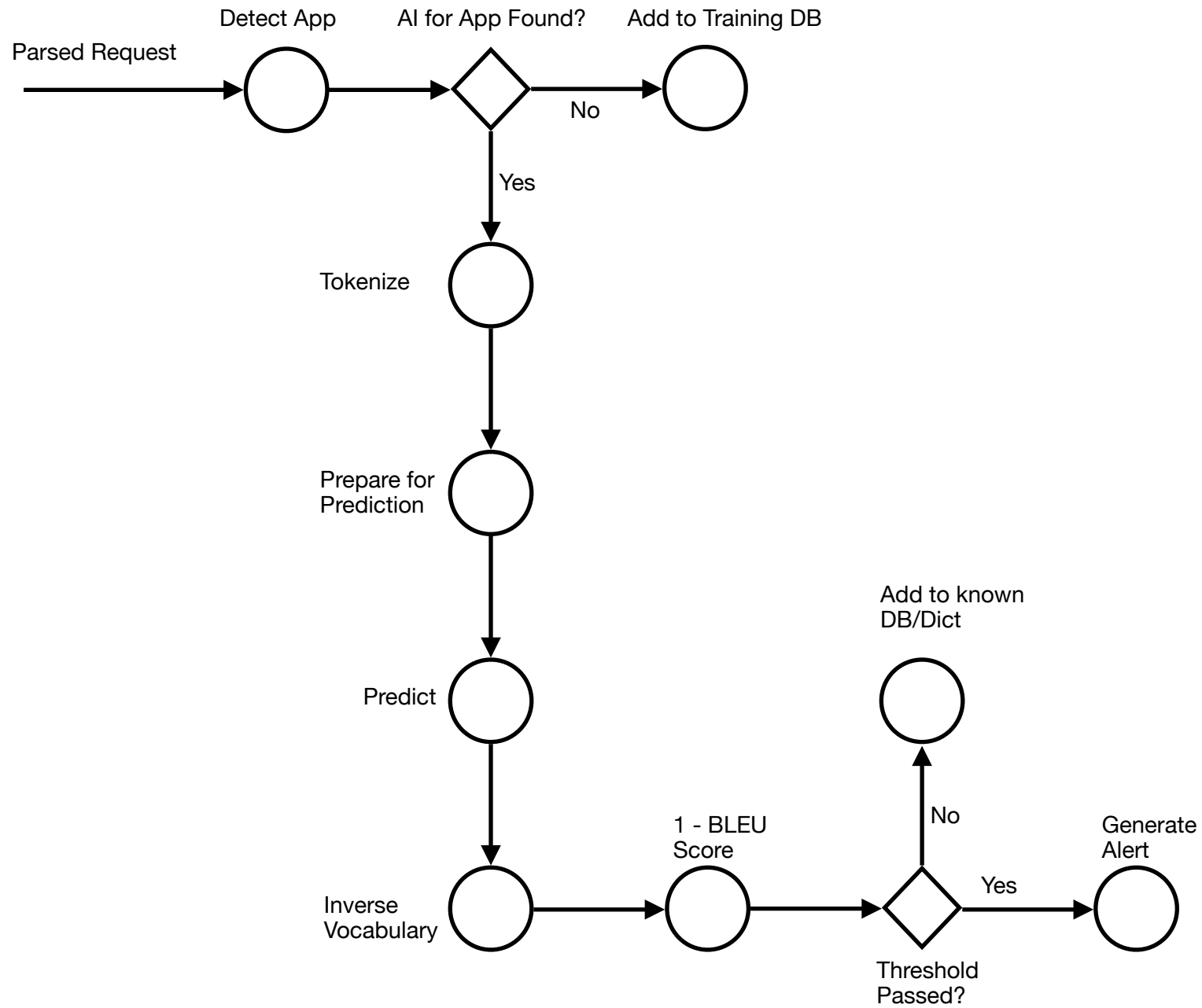
## HTTP Request Flow Alternate 2



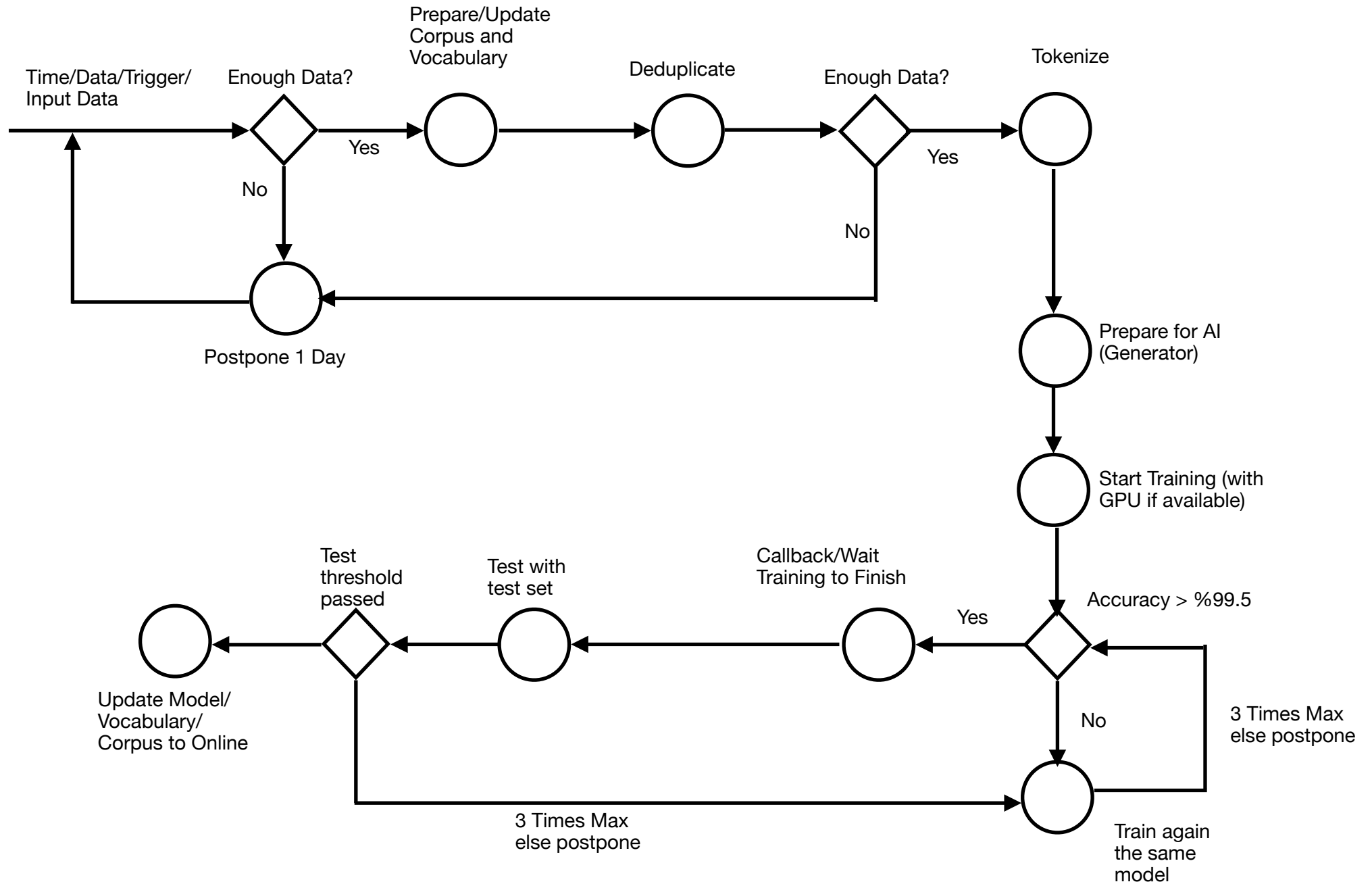
Request Parse

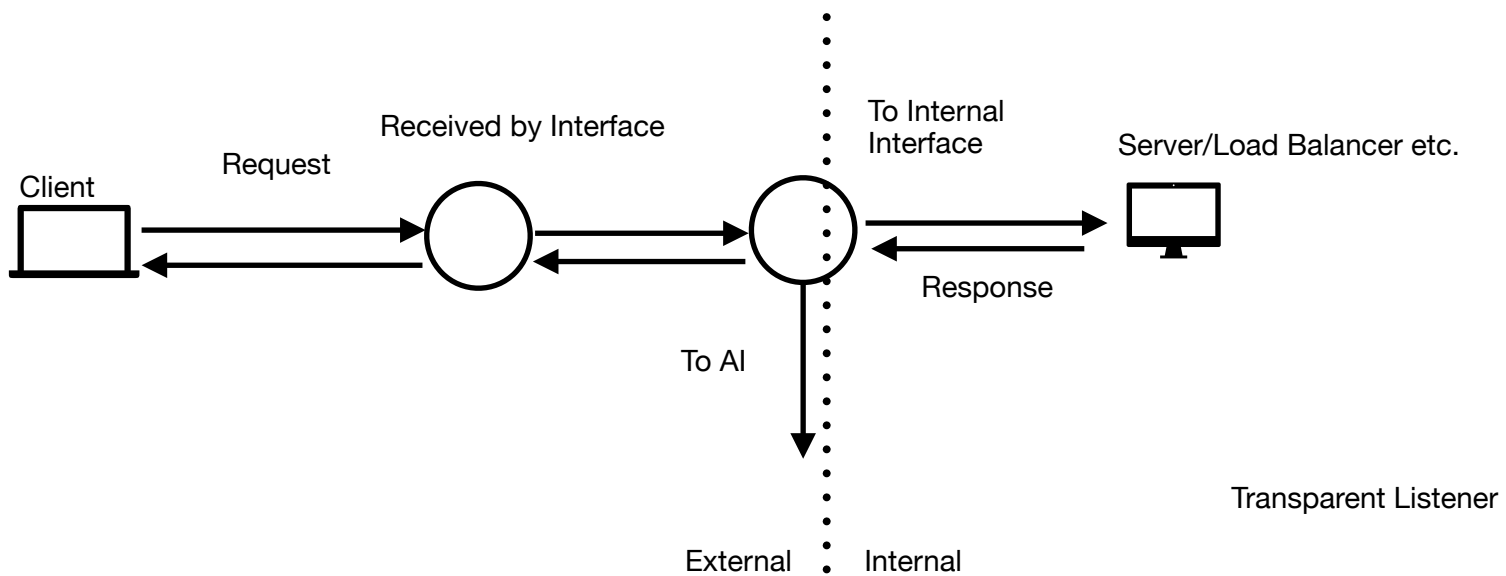
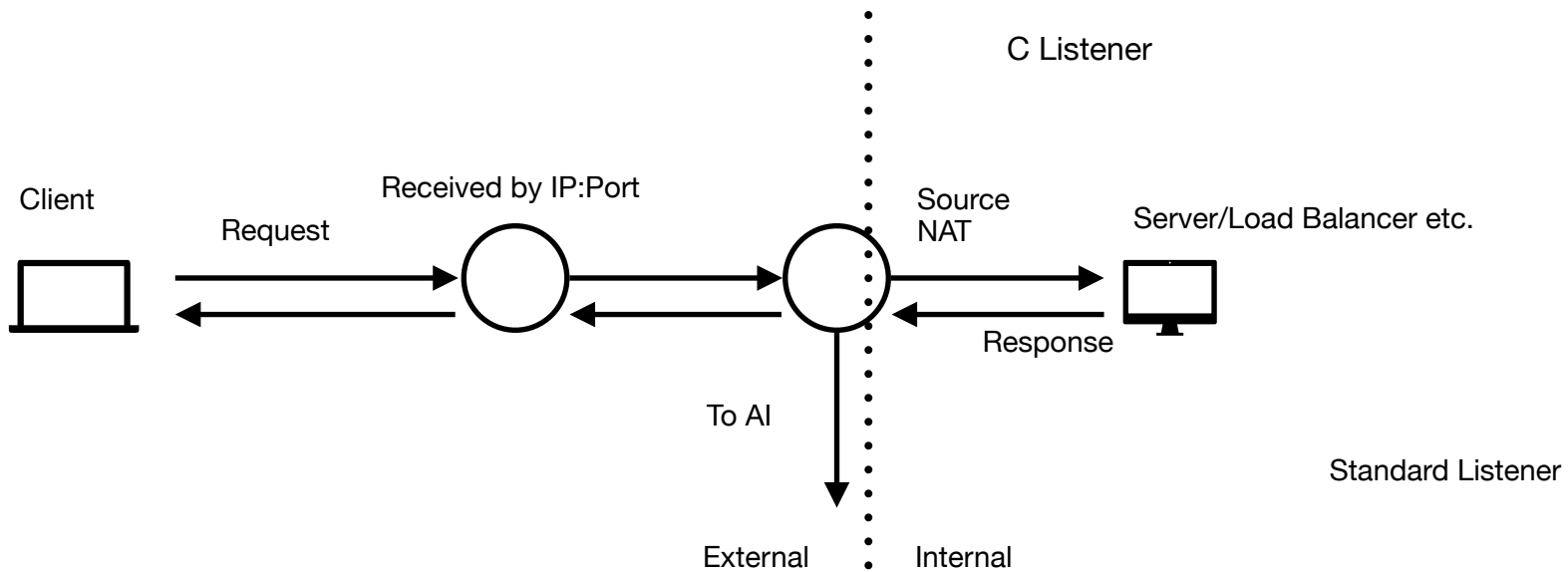


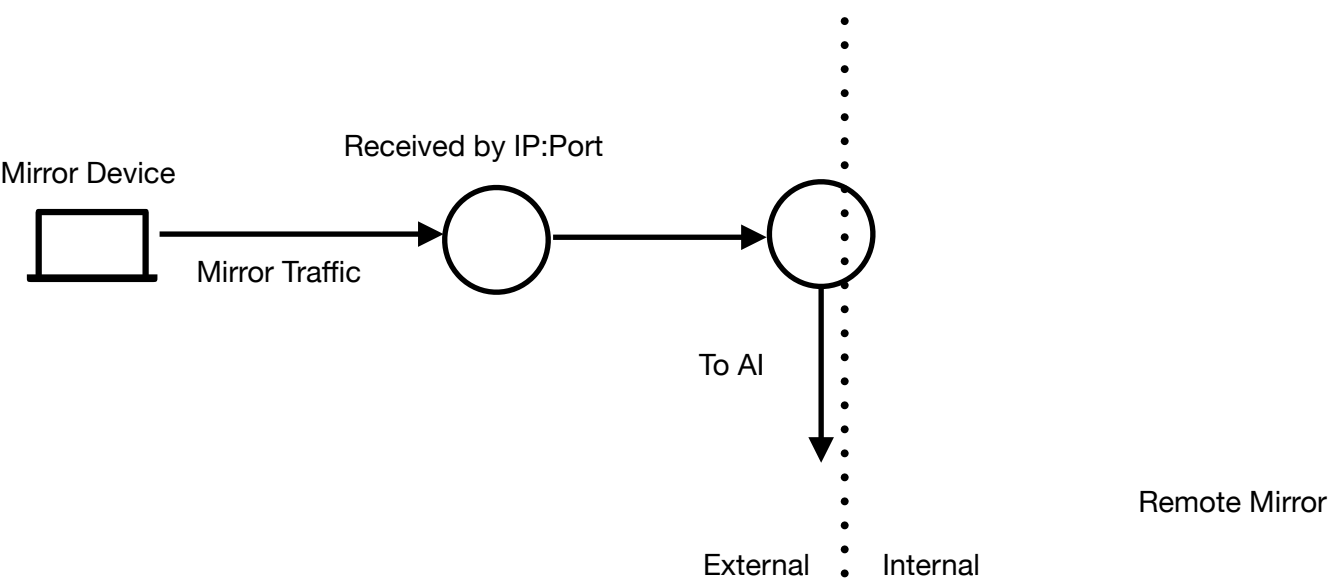
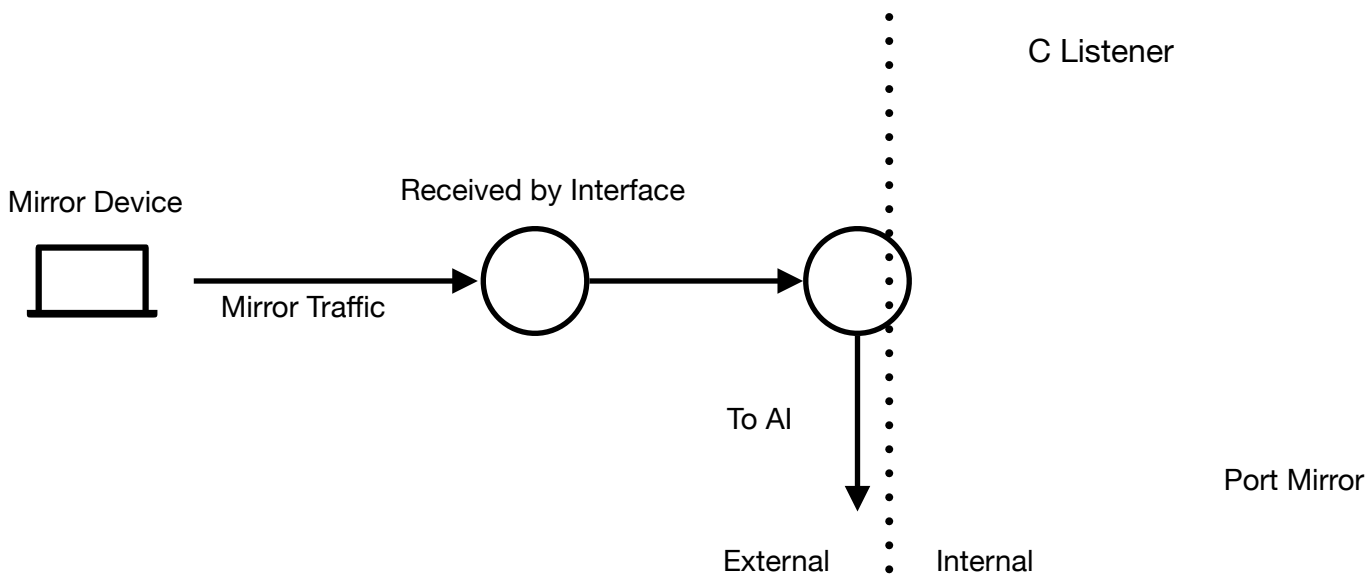
# AI Prediction



# AI Training







## Server Configurations

### Mgmt Port

- IP Address (x.x.x.x/x)
- VLAN (ex: 10)

### Interfaces

- Enable/Disable (Disabled by default)
- Mode (Access/Trunk)

### VLANs

- Name (xxxxx)
- ID (ex: 10)
- Interface (1 for access interface, Can be multiple for Trunk)

### IP Addresses

- IP Address (x.x.x.x)
- Netmask (x.x.x.x)
- VLAN (ex: 20)



## Listener Configurations

### Server

- External Part
  - Application Name: (ex: Alisa Application)
  - Mode: (Port Mirror/Remote Mirror/Transparent/Standard)
  - Interface: ethX (for Port Mirror/Transparent)
  - IP Address : x.x.x.x/x (for Remote Mirror/Standard)
  - Port: (ex: 8080) (for Remote Mirror/Standard)
  - Client IP: x.x.x.x/x
  - Destination Port: (ex : 80)
- Internal Part
  - Interface: ethX (for Transparent)
  - IP Address: x.x.x.x/x (for Standard)
  - Port: (ex: 8088) (for Standard)
  - SNAT: boolean yes/no (for Standard)

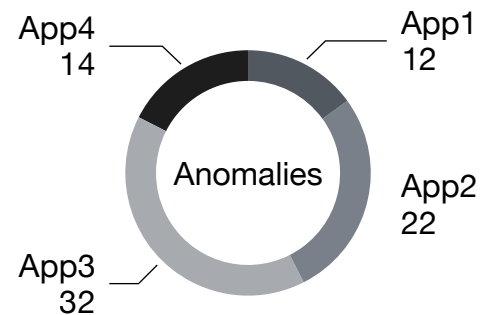
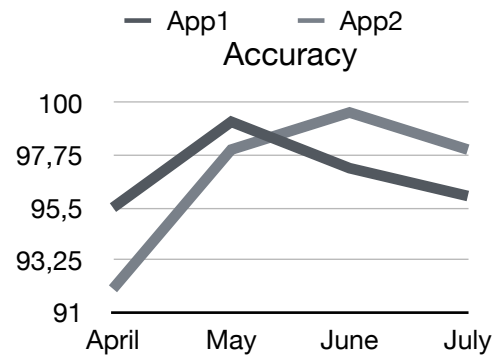
## Alert Management

Date/Time	Application	Request	Anomaly Score	Source IP	Destination Port	Add to Whitelist
21.11.1983 08:50	Alisa Application	<a href="http://xxxxxxx/xxx/xx?xx=xx">http://xxxxxxx/xxx/xx?xx=xx</a>	0,568	195.175.44.33	80	Add

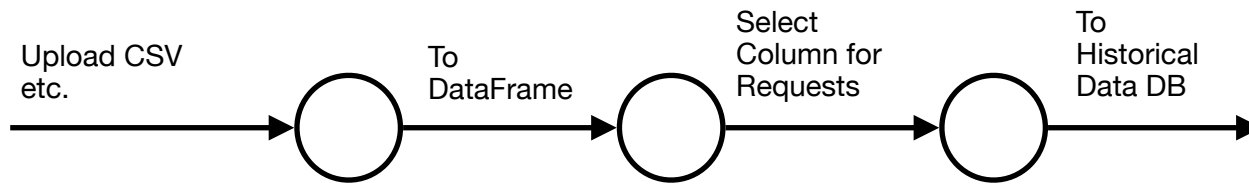
## Whitelist Management

Added Time	Last Seen	Application	Request	Last Anomaly Score
21.11.1983 08:50	21.11.1983 08:50	Alisa Application	<a href="http://xxxxxxx/xxx/xx?xx=xx">http://xxxxxxx/xxx/xx?xx=xx</a>	0,568

## AI Statistics



## Historical Training Data



## Files

base\_conf - VLAN, IP, Interface, redundancy, management ip  
db\_conf - keys, passwords, ipaddresses for DB  
x\_conf - virtual ip, pool, mode, mirror ip  
x-license - license

base\_conf

Server configurations

db\_conf

ip\_address  
dbuser  
dbpass  
dbport

alisa\_license

license:

alisa\_conf {

listener <name>  
Listener Configurations  
Creation Date  
Last Modified

## DB Design

Applications Table

Listener Configurations + ID

Training Data

Requests + ID + Application ID

Known Benign

Requests + ID + Application ID

Whitelist

Requests + ID + Application ID + Score + Last Seen + Creation Date

Alerts

Request + ID + Application ID + Date/Time + Score