Data Dictionary

# Description:

This document includes:

* Data Flows of Process 4 : ***Process Command*  at DFD level 0**
* Process 4 specifications
* Data Structure for Command Log Database and *all of the data in Data Flows <will be extended later>*

# Revision

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| --- | --- | --- | --- |
| Author | Description | Version | Date |
| Tan Nguyen Minh | Add this document | 1.0 | 25/11/2010 |

# Data Flows

Command for admin will be passed through the 1.Classifier process , to specify the type of this command:

MVC command will be transfer to the 2.MVC Config Maker process to make suitable MVC Config according to the MVC API .

MG command will be transfer to the 4.MG Config Maker process to make suitable MG Config according to the MG API .

The 3.Rules Maker process will make suitable rules from Rule-Updated Command and transfer them to Level0-1.ProcessPacket process to drop packets.

Besides, all command will be saved in the 5.Command Log Database to retrieve if need.

# Process specification

Input :

Command : x

Save x.infomation to Database

IF x is MVC Command THEN send output=MVC-Config-Maker(x) to MVC Module

IF x is MG Command THEN send output=MG-Config-Maker(x) to MG Module

IF x is Rule-Uptated Command THEN send output = Rule-Maker(x) to PacketProcess Module

IF x is Get-Command-Log Command THEN reply output=Database.get(x) to Admin

# Data Structures for Command-Log Database<Basic Level>:

Command-Log=

ID

+Type

+Time

+Command-Content

Command-Content=

[MVC-Content, MG-Content, Rule-Updated-Content, Get-Content]

MVC-Content= Under consider

MG-Content= Under consider

Rule-Updated-Content= Under consider

Get-Content=Under Consider