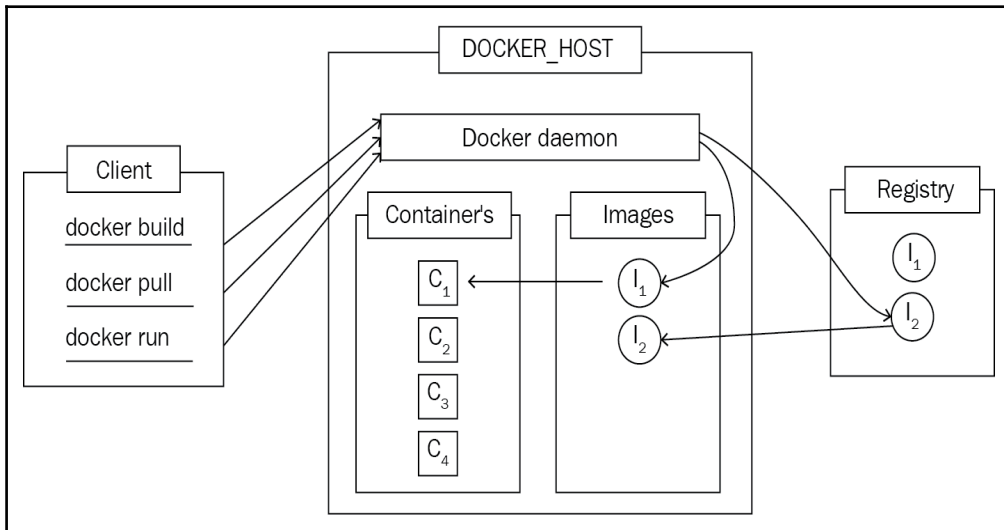
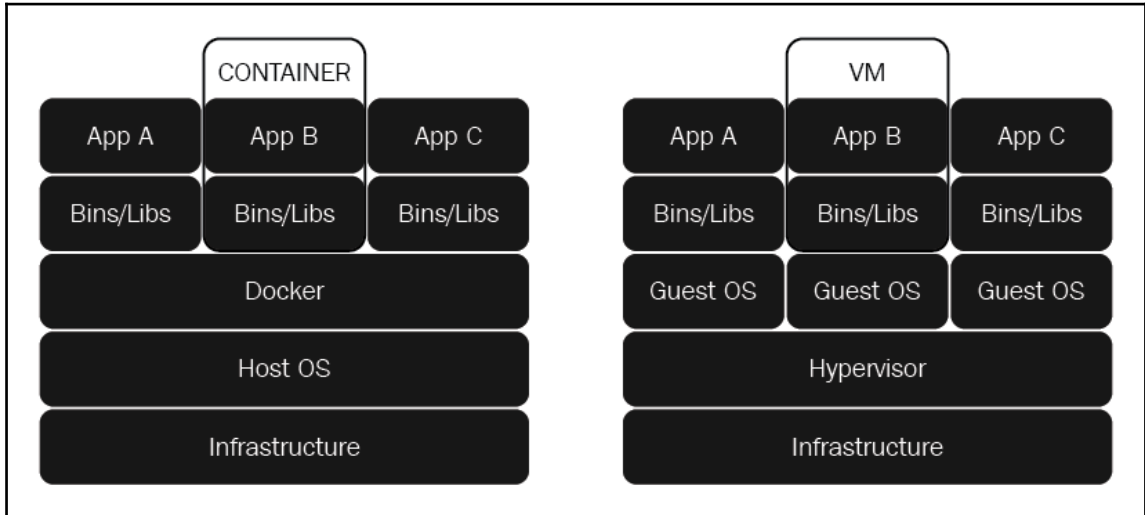
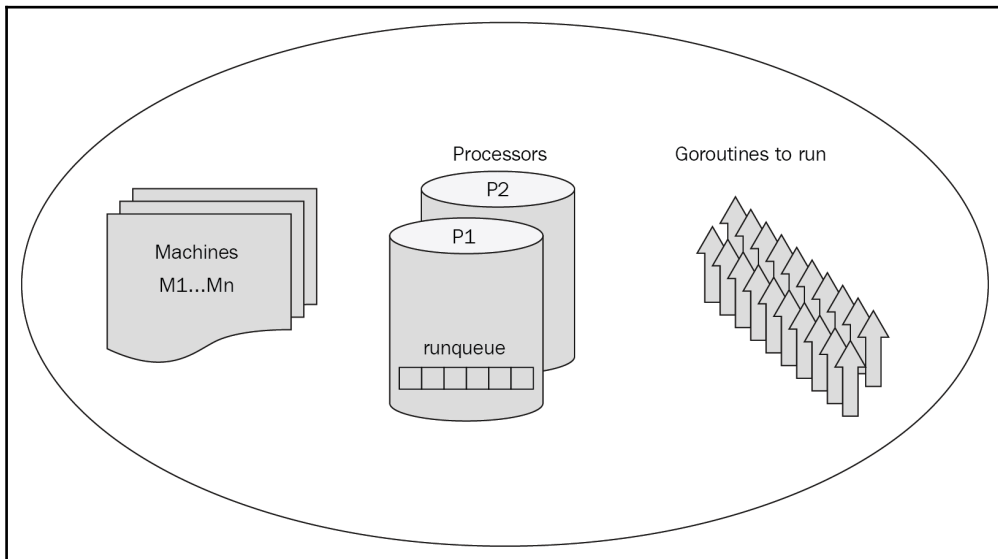
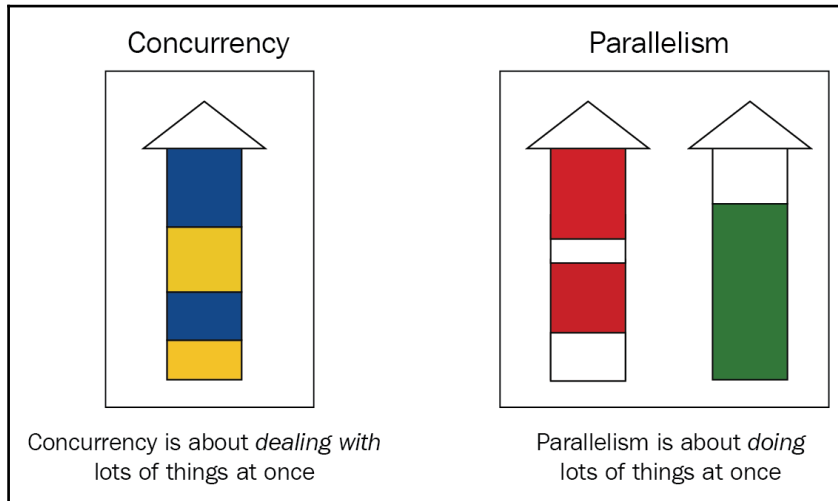
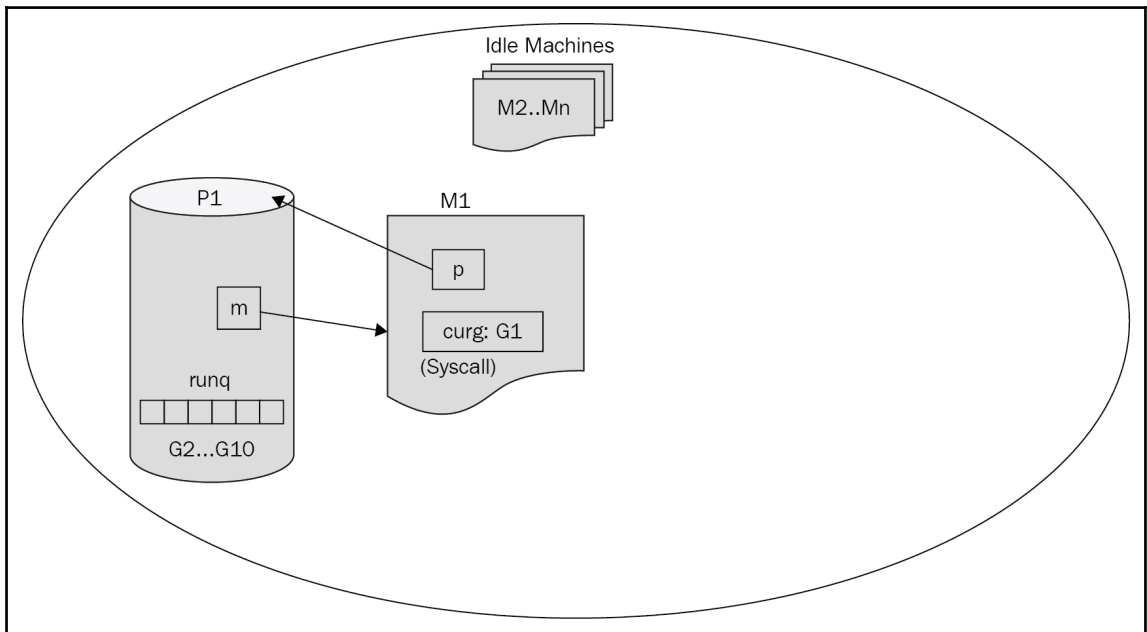
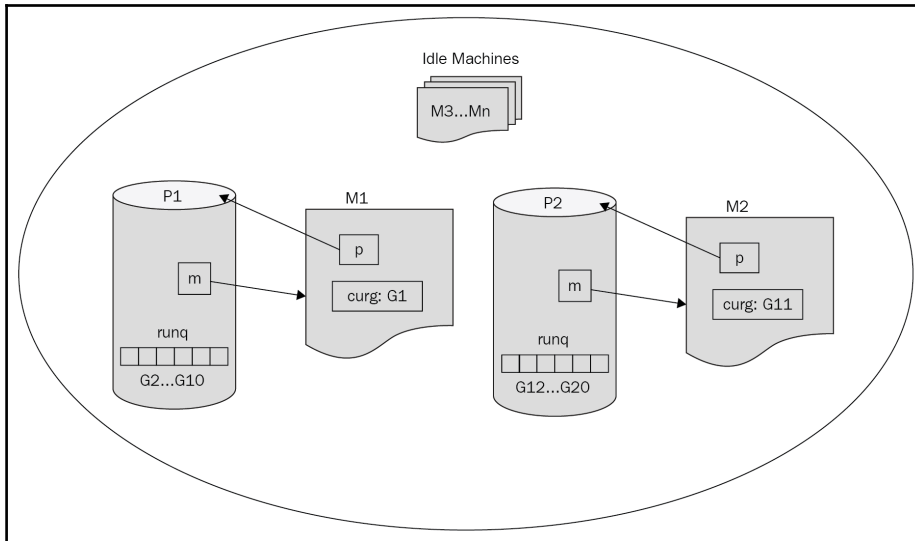


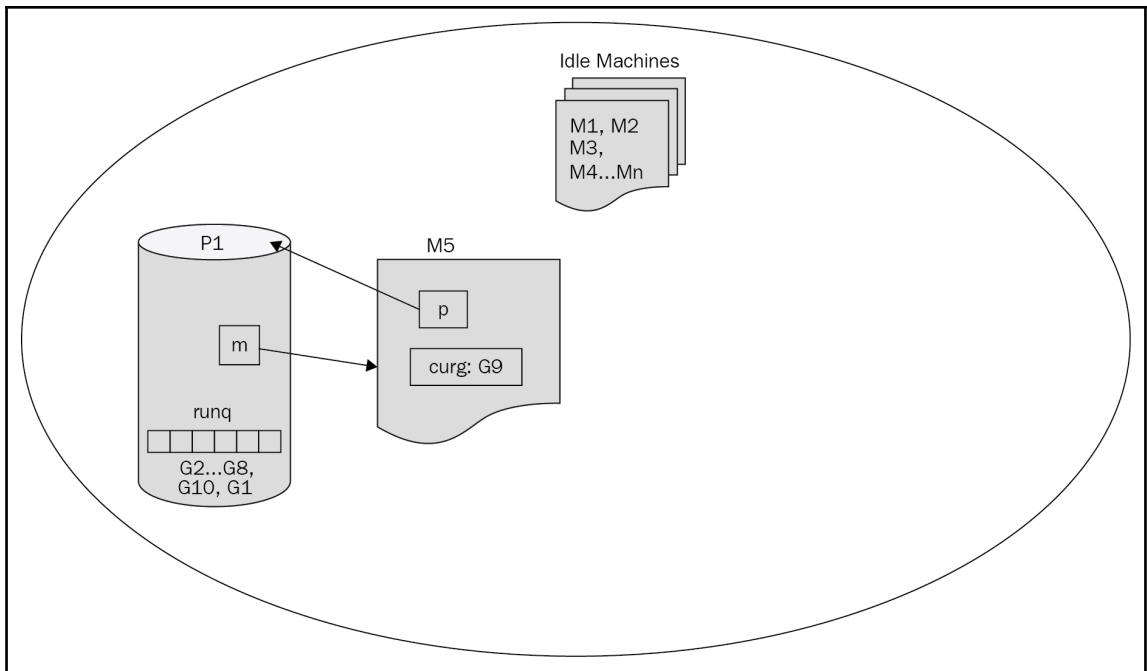
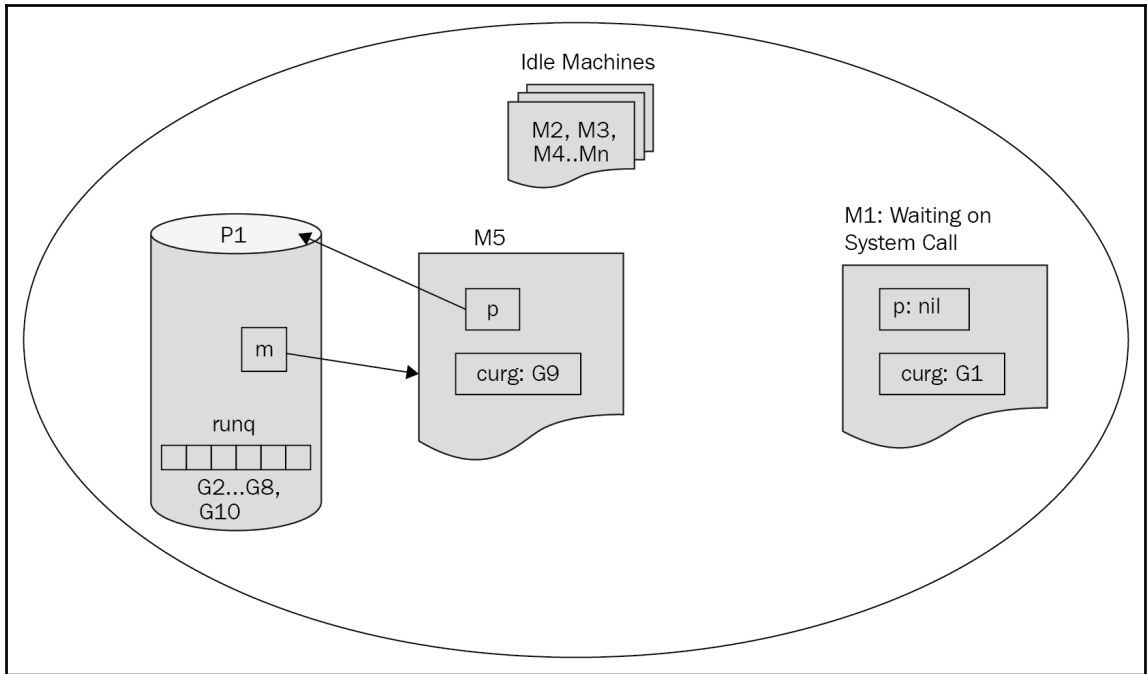
Chapter 1: Developer Environment for Go

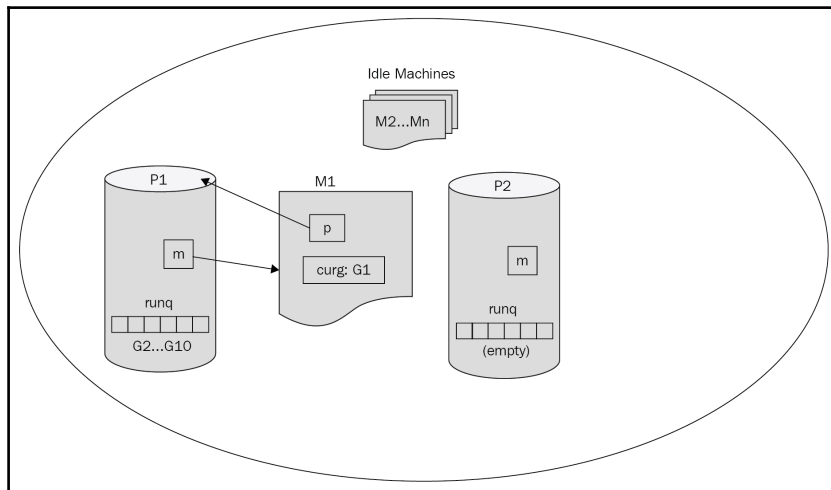
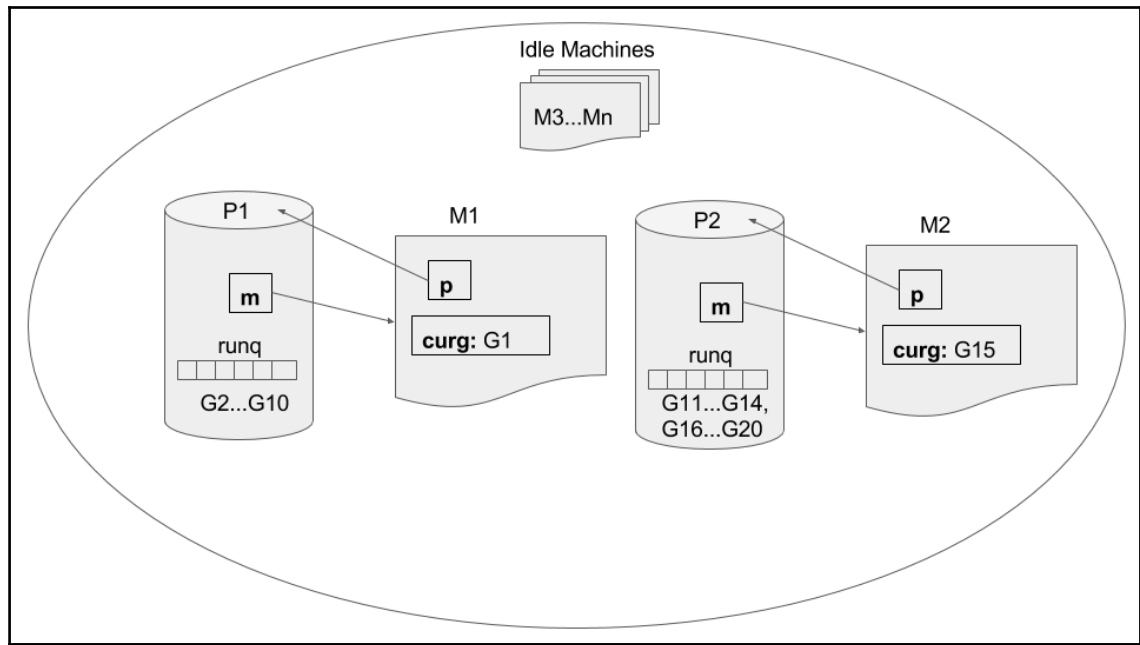


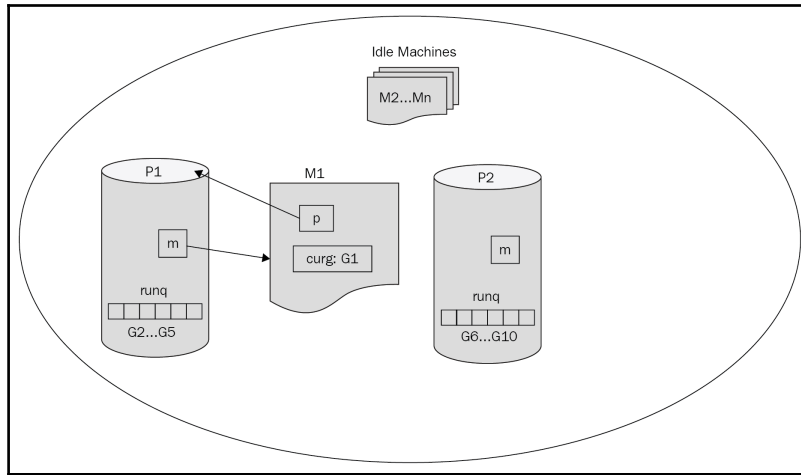
Chapter 2: Understanding Goroutines



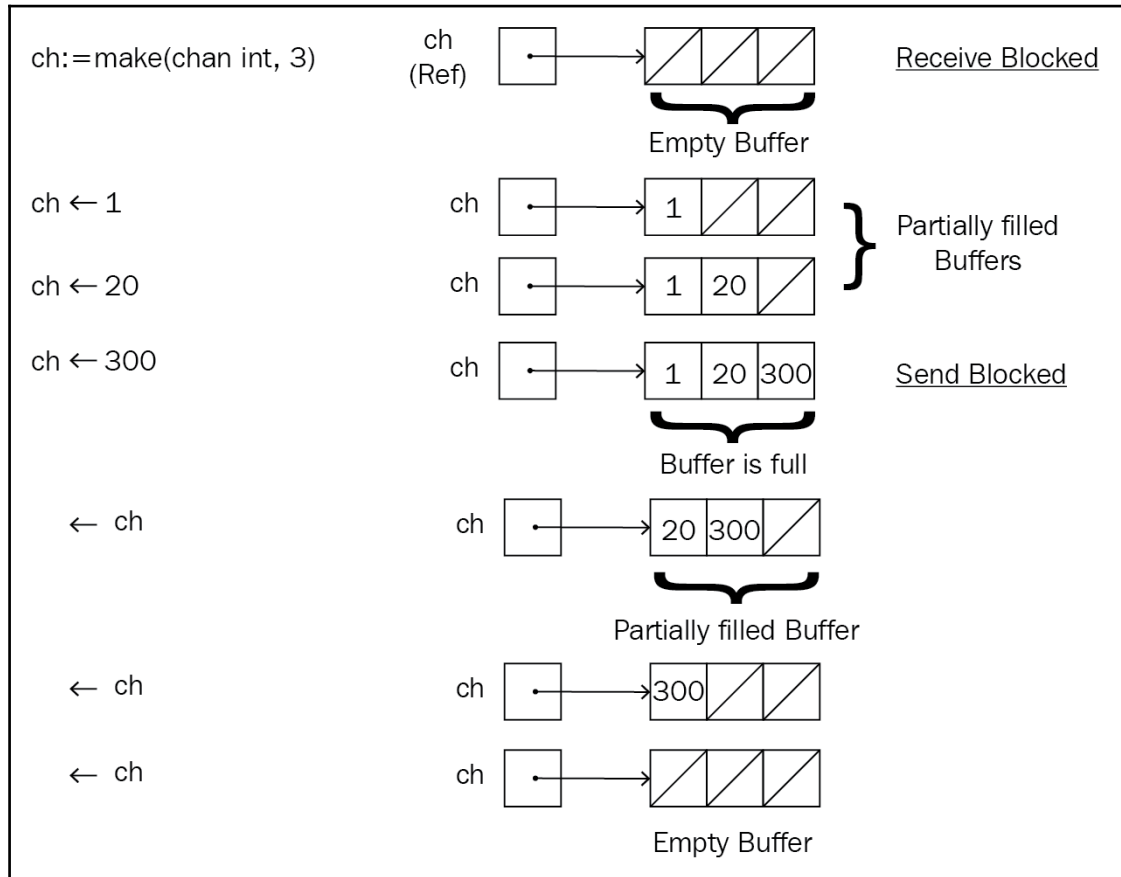




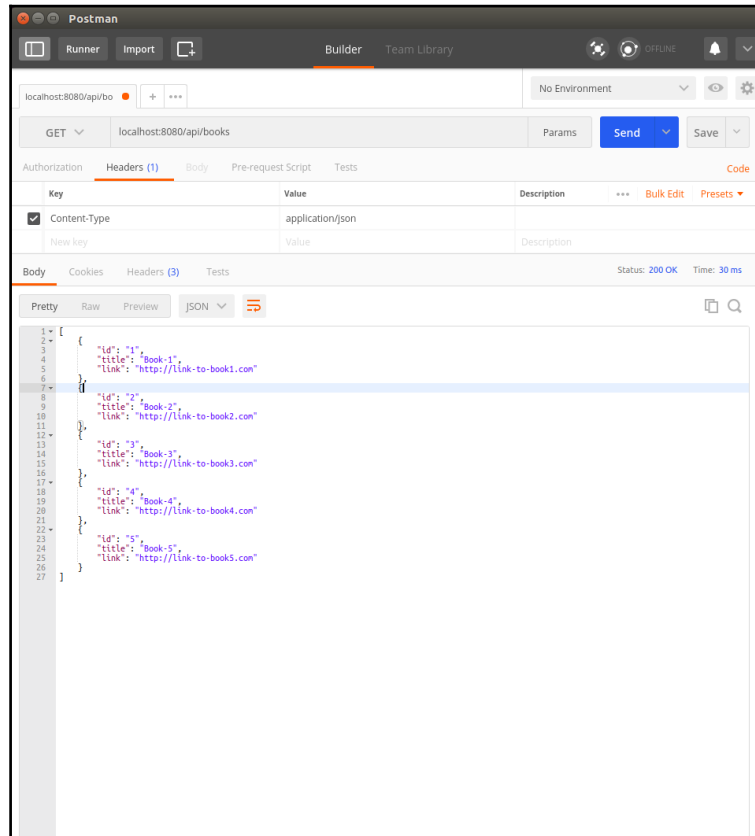


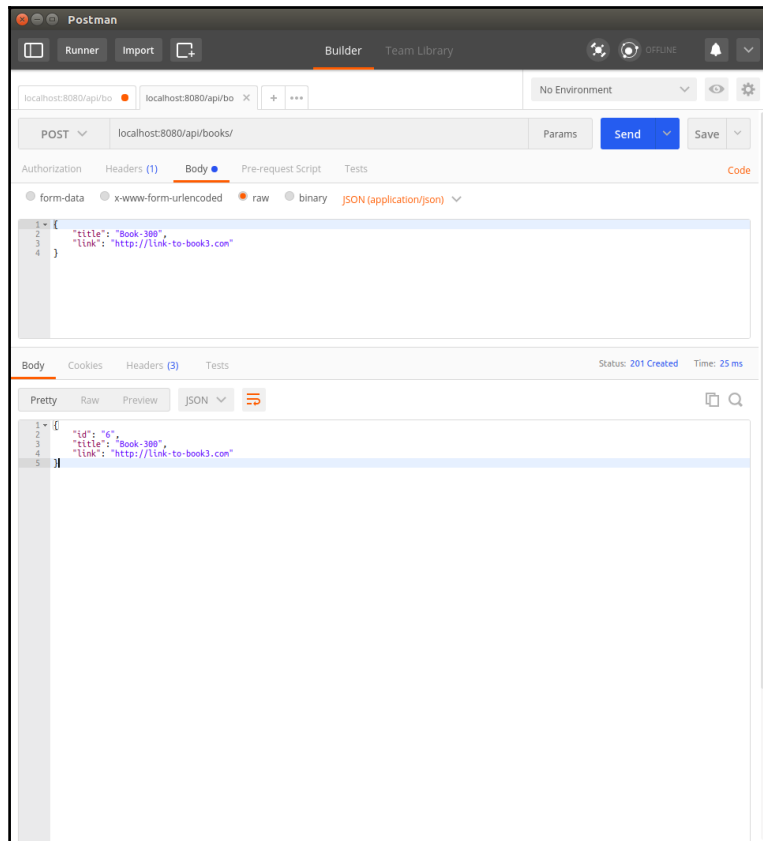


Chapter 3: Channels and Messages



Chapter 4: The RESTful Web





Chapter 5: Introducing Goophr

Swagger EditorFile Edit Switch back to previous editor

```
37- /query:
38-   post:
39-     description: |
40-       Search query
41-     responses:
42-       '200':
43-         description: |
44-           Response consists of links to document
45-         content:
46-           application/json:
47-             schema:
48-               type: array
49-               items:
50-                 $ref: '#/components/schemas/document'
51-     requestBody:
52-       content:
53-         application/json:
54-           schema:
55-             type: array
56-             items:
57-               type: string
58-             required: true
59- components:
60-   schemas:
61-     response:
62-       type: object
63-       properties:
64-         code:
65-           type: integer
66-           description: Status code to send in response
67-         msg:
68-           type: string
69-           description: Message to send in response
70-     document:
71-       type: object
72-       required:
73-         - title
74-         - link
75-       properties:
76-         title:
77-           type: string
78-           description: Title of the document
79-         link:
80-           type: string
81-           description: Link to the document
82-
```

Goophr Concierge API 1.0 OAuth3

API responsible for responding to user input and communicating with Goophr Librarian.

Server

/api

default

POST /feeder

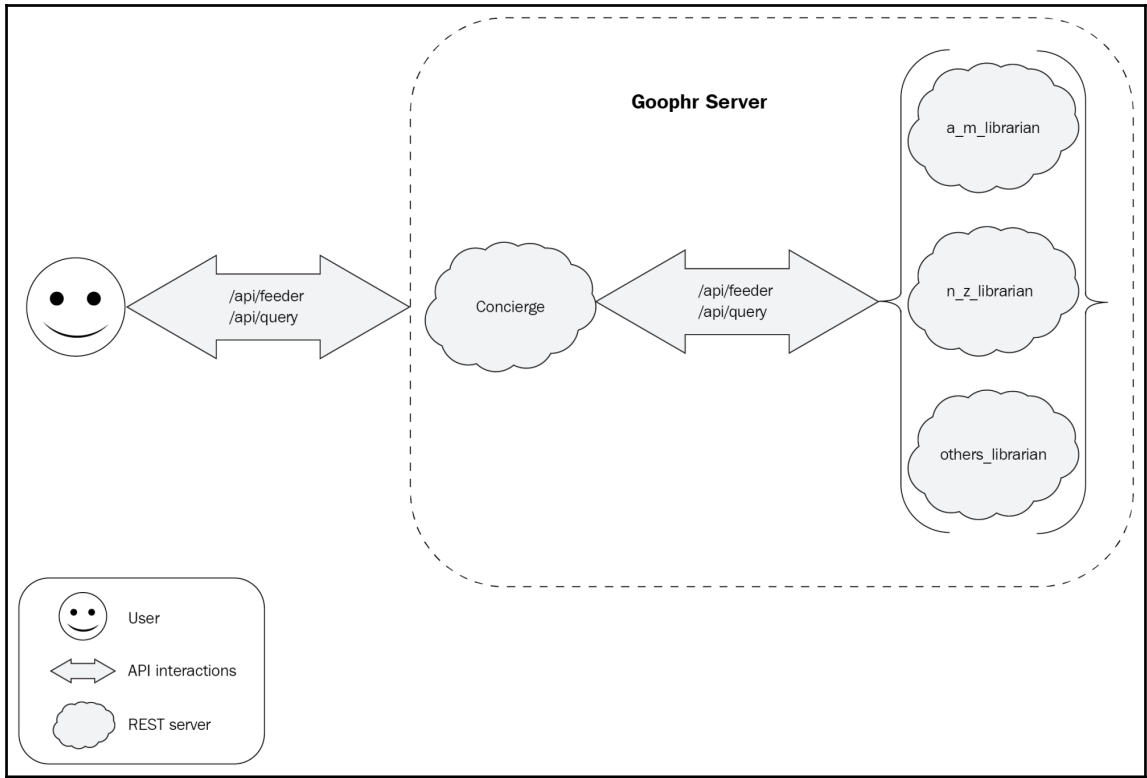
POST /query

Models

response ▾ {
 code integer
 Status code to send in response

 msg string
 Message to send in response
}

document ▾ {
 title string
 Title of the document
 link string
 Link to the document
}



Chapter 6: Goophr Concierge



Goroutine that is a data store.
Only a single instance is run because
we want to maintain data consistency.



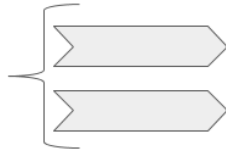
Set of **N** Goroutines that perform identical task.
They wait on a single queue.
Content of these goroutines describe their execution steps in brief.



Go Channel.
Most of the channels used in Concierge are buffered channels.



An HTTP Request with multiple branches of execution.
In the current chapter, we show only a single branch of execution.
More will be added in later chapters.



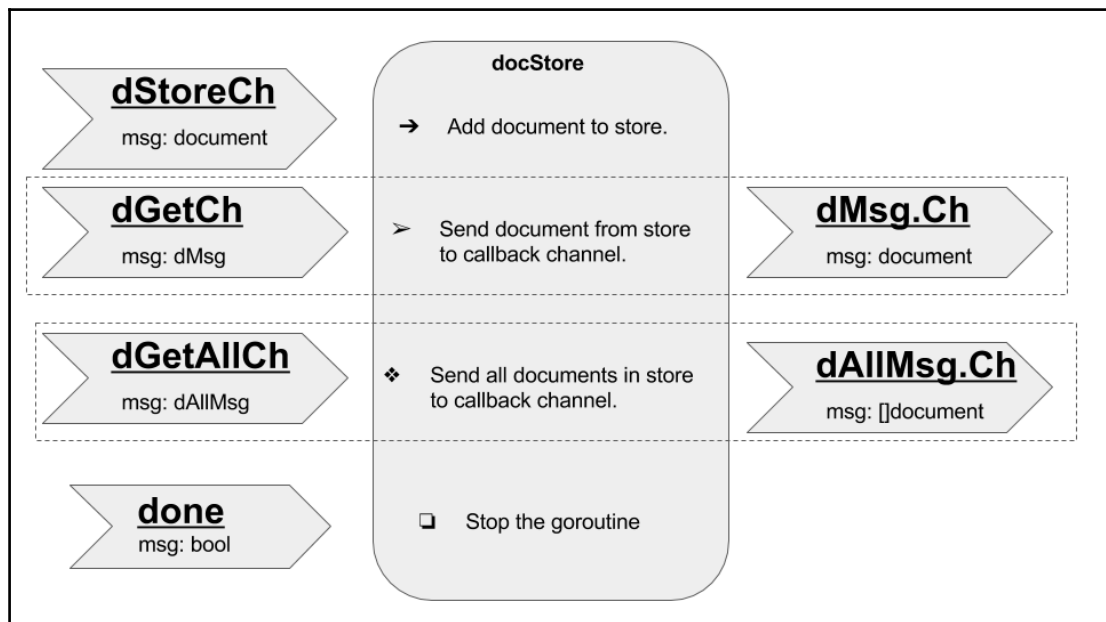
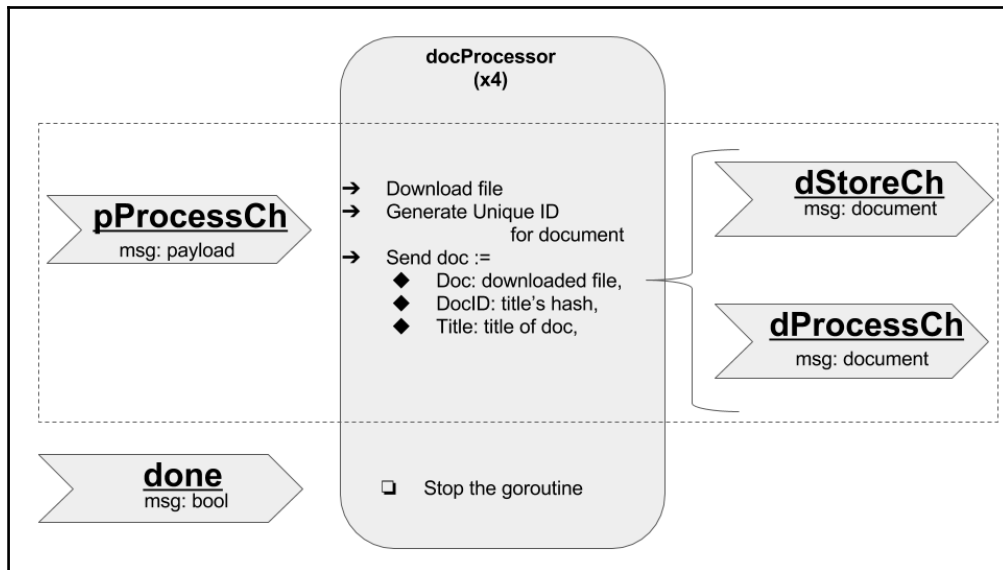
Messages are sent on both channels.

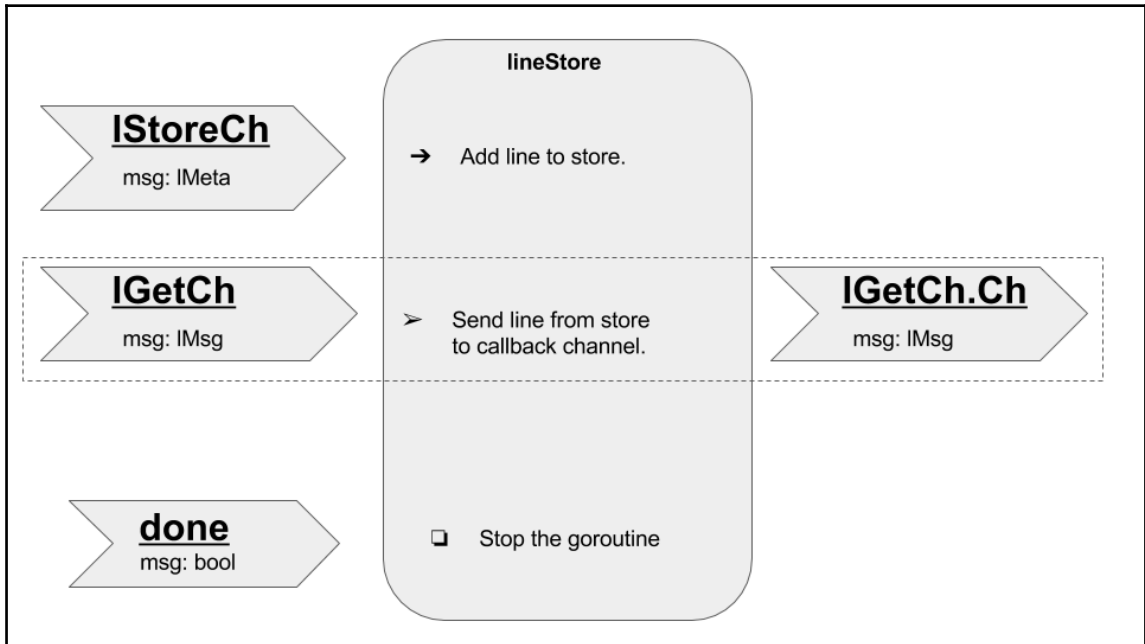
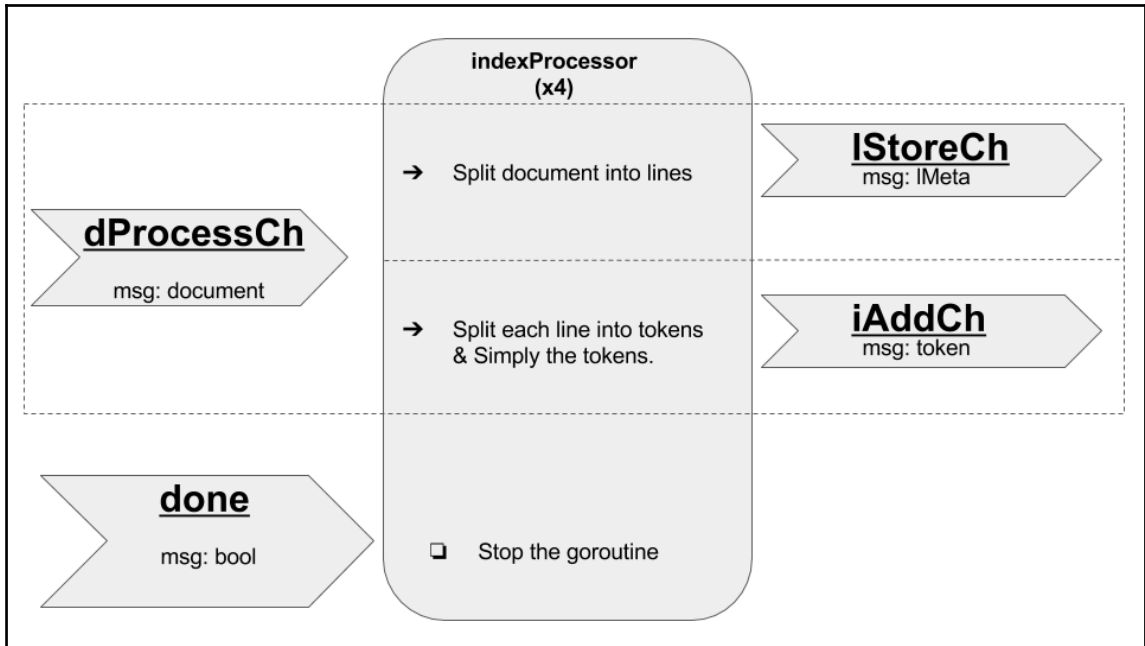


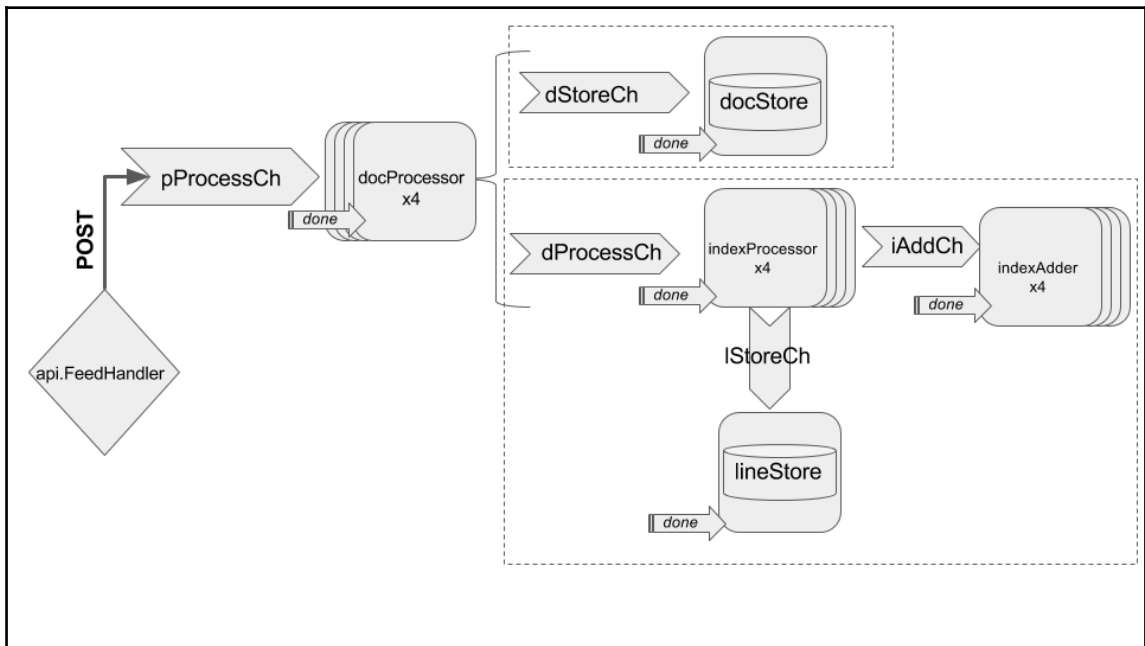
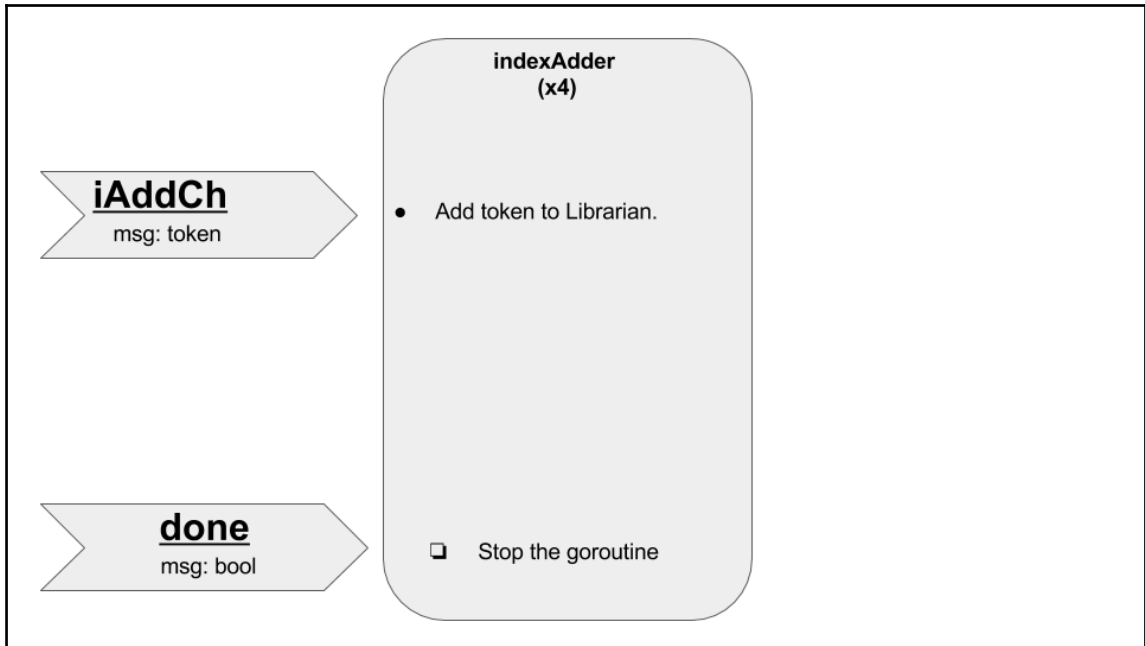
Entities within each such box represent a block of execution.



Done channel.
Used in tests to stop a goroutine after it is done executing its code.







Chapter 9: Foundations of Web Scale Architecture

