Crawler Component
Diagram

Local Clusters
(Network/Geographic
affinity)

Cluster
Cluster
Cluster

6 `<<interface>>`
IDownload

SubscribeClient

Downloader (*)

GET

Internet

6.1

E

Update(UriStatus)

`<<interface>>`
IDownload

5.2

PublishClient

DownloadQueue

5.4

Activator

`<<interface>>`
IActivateDownloads

ActivateDownloads
Job

`<<interface>>`
INextActivation

E

Update(Downloading)

4

CacheUpdate
Job

`<<interface>>`
IRefreshUriCache

5.5

5.1/5.4

Cache Updater

URI Cache

SubscribeClient

Update Queue

`<<interface>>`
IUpdate

Replicate Events
Globally

Updater

3.4

URIs

replication of
global data to local
cluster

DNS Data

replication of
cluster data

GlobalDNS

`<<interface>>`
IParseDoument

DocumentParser

`<<interface>>`
ISchedule

PublishClient

E

Update(Created)

Parsed Data
(Staging Area)

`<<interface>>`
ISchedule

SubscribeClient

Scheduler

3.2

E

Update(Scheduled)

ScheduleQueue

3

Site Policies

Global Data Index

Global Site Policies

`<<interface>>`
**Management
Interfaces**

Package

Front end(s)

1

Management
Classes

GlobalURIs

Throughput, bandwidth,
etc. URI,sites performance.
Sites and URI policies.
Reports.

2.5

Updater

2.2

`<<interface>>`
IUpdate

SubscribeClient

2.4

2.1

Global Update
Queue

Globally
Replicated Events

URIAnalitics

Policies Queue

PublishClient

`<<interface>>`
IUpdatePolicy