

IMT 535 – Introduction to Information Architecture

Week 5

Information Architecture Organization Systems

Key Takeaways for You:

- *Classification* is important, but there isn't one right way to classify or organize information.
- *Exact classification schemes* include alphabetical, chronological, and geographical.
- *Ambiguous classification schemes* include topical, task-based, audience-based, and more.
- *Social classification* can be a powerful and useful technique when deployed thoughtfully.



surplus (sər'plʌs) *n.* [< OFr *sur-*, above (see SUR-1) + L *plus*, more] a quantity over and above what is needed or used — *adj.* forming a surplus

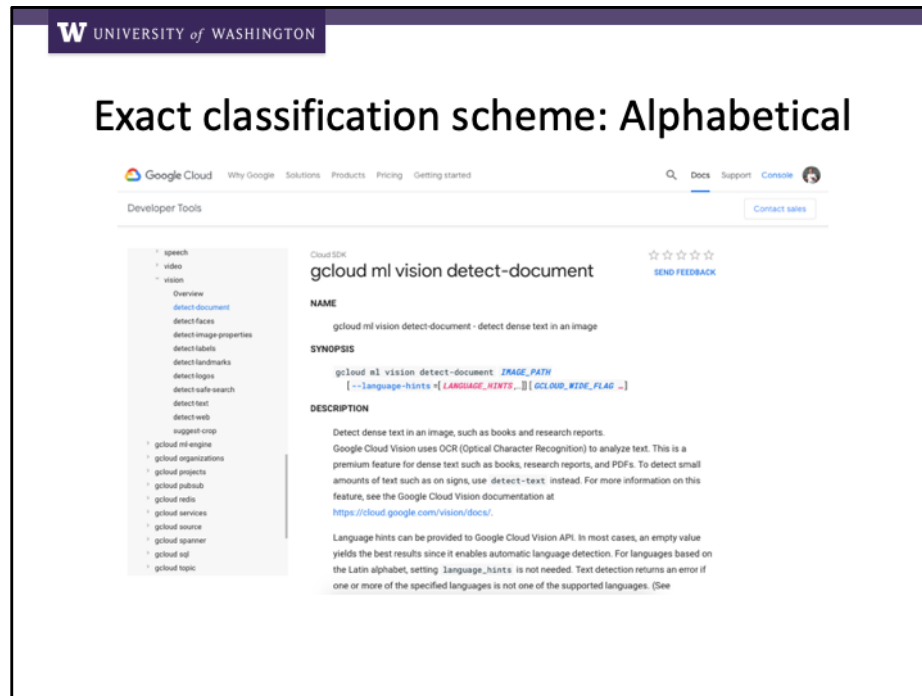
sur-prise (sər'prɪz) *vt.* **-prised', -pris'ing** [< OFr *sur-* (see SUR-1) + *prendre*, to take] **1** to come upon suddenly or unexpectedly; take unawares **2** to attack without warning **3** to amaze; astonish — *n.* **1** a being surprised **2** something that surprises

sur-re'al (sər rē'əl, sə-; -rēl') *adj.* **1** surrealist **2** bizarre; fantastic

sur-re'al-ism' (-iz'əm) *n.* [see SUR-1 & REAL] a modern movement in the arts trying to depict the workings of the unconscious mind — **sur-re'al-is'tic** *adj.*

sur-re'al-ist *adj., n.*

sur-ren-der (sə ren'dər) *vt.* [< Fr *sur-*, up + *rendre*, render] **1** to give up possession of; yield to another on compulsion **2** to give up or abandon oneself up, esp. as a prisoner

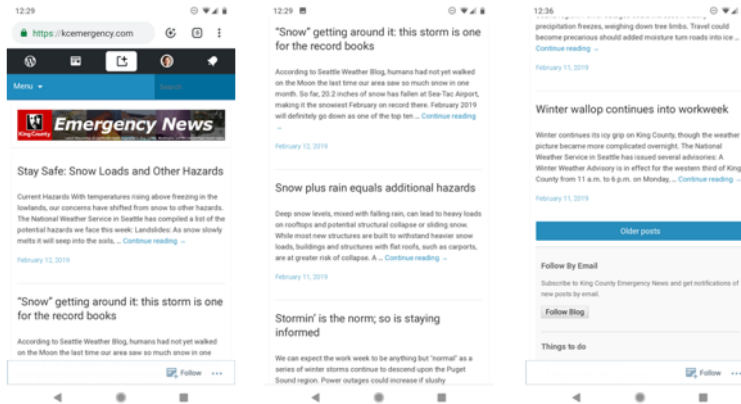


This is reference. Users want to access the info by the name of the method or variable or whatever the reference is about.

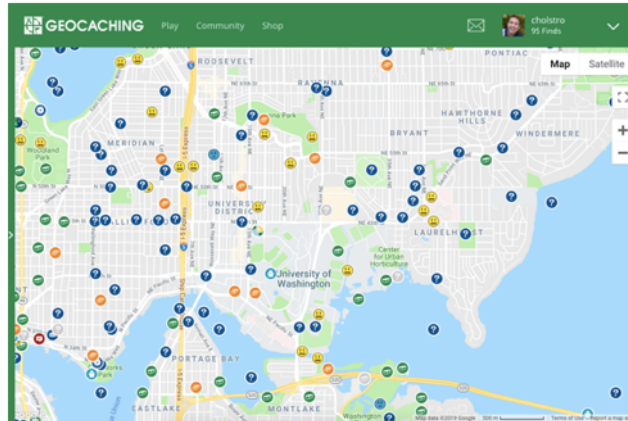
Where else?

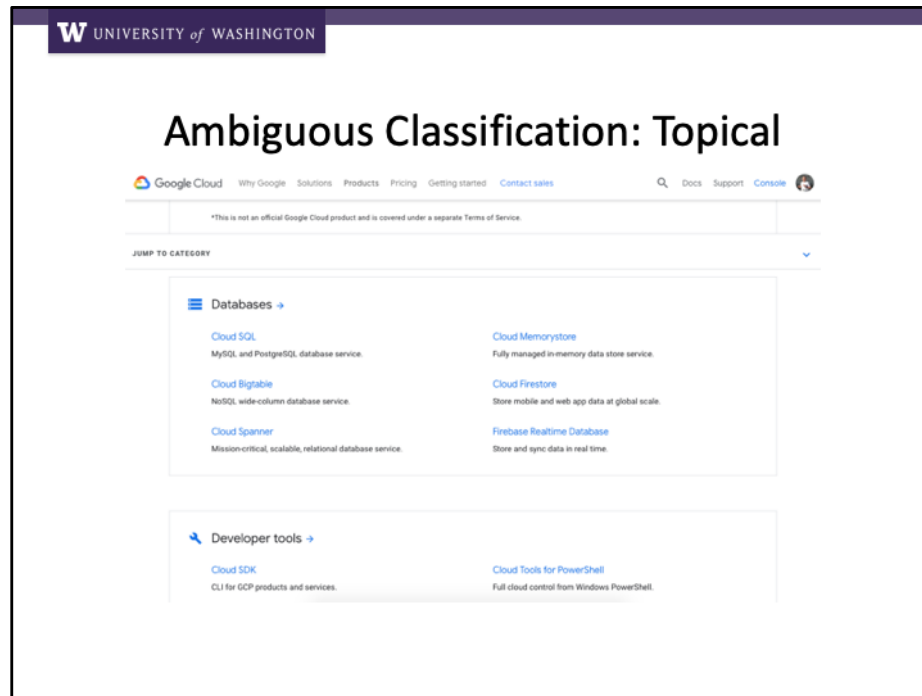
- Directories where you look for people by name
- Lists where you want to be neutral

Exact Classification Scheme: Chronological



Exact Classification Scheme: Geographical





With ambiguous classification schemes, it is important to establish a clear order for the items in each group:

- Sequential or order of use
- Most important to least important
- Most used to least used
- Basic to advanced
- Alphabetical (within groups, not everything alphabetical)

Ambiguous Classification: Topical

Google Cloud

Why Google Solutions Products Pricing Getting started

Docs Support Console

Compute Products

Contact sales

Compute Engine > Documentation

IP Addresses

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SEND FEEDBACK

Contents

- External IP addresses
- Static external IP addresses
- Ephemeral external IP addresses
- Primary internal IP addresses
- Internal DNS names
- What's next

Concepts

- All concepts
- Virtual Machine (VM) instances
- Instance templates
- Instance groups
- Windows on Compute Engine
- Sole-tenant nodes
- Storage options
- Networking
- Virtual Private Cloud
- IP addresses
- Internal DNS
- Load balancing and scaling
- Regions and zones
- Access control
- Containers on Compute Engine

Tutorials

- All tutorials
- Running a Basic Web Server
- Building Web Applications
- Load Balancing
- Load Balancing

This document describes the primary internal IP addresses and external IP addresses available to Google Cloud Platform (GCP) resources, and discusses how to communicate with resources using these IP addresses. For instructions on how to create and manage IP addresses, read [Configuring IP Addresses](#).


This page does not discuss secondary internal IP addresses. For information about secondary internal IP addresses, read the [Alias IP Ranges](#) documentation.

In GCP, you can assign an IP address to certain resources. For example, you can assign an internal and external IP address to Compute Engine virtual machine (VM) instances. Similarly, you can assign an internal or external IP address to a forwarding rule for internal or external load balancing, respectively.

Each VM instance can have one primary internal IP address, one or more [secondary IP addresses](#), and one external IP address. To communicate between instances on the same Virtual Private Cloud (VPC) network, you can use an instance's internal IP addresses. To communicate with the Internet, you must use the instance's external IP address unless you have configured a proxy of some kind. Similarly, you must use the instance's external IP address to connect to instances outside of the same VPC network unless the networks are connected in some way, like via [VPN](#). Both external and internal primary IP addresses can be either ephemeral or static.

A forwarding rule is required for Network, global, and internal load balancing. The forwarding

Ambiguous Classification: Information Type

Google Cloud Why Google Solutions Products Pricing Getting started [Docs](#) [Support](#) [Console](#) 

Data Analytics Products [Contact sales](#)


BigQuery

Product overview

[Documentation](#)

Quickstarts

All quickstarts

Using the web UI 


Using the command-line tool

Using the client libraries

Using the classic web UI

How-to guides

All how-to guides


- Interacting with BigQuery
- Running and managing jobs
- Working with datasets
- Working with table schemas
- Working with tables
- Working with partitioned tables
- Working with clustered tables 
- Working with views
- Getting metadata using INFORMATION_SCHEMA
- Sublime Text/VSCode integration

BigQuery > Documentation

Google BigQuery documentation


☆☆☆☆☆ [SEND FEEDBACK](#)

BigQuery is Google's fully managed, petabyte scale, low cost analytics data warehouse. BigQuery is NoOps—there is no infrastructure to manage and you don't need a database administrator—so you can focus on analyzing data to find meaningful insights, use familiar SQL, and take advantage of our pay-as-you-go model.




Quickstarts

Learn in 5 minutes




How-to guides

Perform specific tasks




APIs & reference

API, web UI, and command-line




Concepts

Develop a deep understanding of BigQuery



Tutorials

Walkthroughs of common applications



Resources

Pricing, quotas, release notes, and other resources

Ambiguous Classification: Task-Based

Google Cloud

Why Google

Solutions

Products

Pricing

Getting started

Docs

Support

Console

Contact sales

Data Analytics Products

How-to guides

All how-to guides

Installing the SDK

Creating a pipeline

Specifying execution parameters

Deploying a pipeline

Using the monitoring UI

Using the command line interface

Using Stackdriver Monitoring

Logging pipeline messages

Troubleshooting your pipeline

Updating an existing pipeline

Stopping a running pipeline

Creating and executing templates

Overview

Creating templates

Executing templates

Google-provided templates

Migrating from MapReduce

Migrating from SDK 1.x for Java

Configuring networking

Using Cloud Pub/Sub Sink

Cloud Dataflow > Documentation

Creating Templates

Cloud Dataflow [templates](#) use runtime parameters to accept values that are only available during pipeline execution. To customize the execution of a templated pipeline, you can pass these parameters to functions that run within the pipeline (such as a `DoFn`).

To create a template from your Apache Beam pipeline, you must modify your pipeline code to support runtime parameters:

- Use [ValueProvider](#) for all pipeline options that you want to set or use at runtime.
- Call [I/O methods that accept runtime parameters](#) wherever you want to parameterize your pipeline.
- Use `DoFn` objects that accept runtime parameters.

Then, [create and stage your template](#).

Runtime parameters and the ValueProvider interface

The `ValueProvider` interface allows pipelines to accept runtime parameters. Apache Beam provides three types of `ValueProvider` objects.

Name	Description
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Contents

Runtime parameters and the ValueProvider interface

Modifying your code to use runtime parameters

Using ValueProvider in your pipeline options

Using ValueProvider in your functions

Using StaticValueProvider

Using NestedValueProvider

Metadata

Metadata parameters

Example metadata Re

Pipeline I/O and runtime parameters

Creating and staging templates

Social Classification

stackoverflow

Search...

Log In

Sign Up

Home

PUBLIC

Stack Overflow

Tags

Users

Jobs

TEAMS

Create Team

Tags

A tag is a keyword or label that categorizes your question with other, similar questions. Using the right tags makes it easier for others to find and answer your question.

Filter by tag name

Popular Name New

javascript

1738944

JavaScript (not to be confused with Java) is a high-level, dynamic, multi-paradigm, object-oriented, prototype-based, weakly-typed language used for both client-side and server-side web development.

857 asked today, 5046 this week

java

1513149

Java (not to be confused with JavaScript or JScript or JSP) is a general-purpose, statically typed, object-oriented programming language designed to be used in a wide variety of environments.

692 asked today, 3961 this week

c#

1284477

C# is a high-level, statically typed, object-oriented programming language developed by Microsoft. C# code usually targets Microsoft's .NET family of tools and runtimes, which...

529 asked today, 2819 this week

python

1107140

Python is a multi-paradigm, dynamically typed, multipurpose programming language, designed to be quick (to learn, to use, and to understand), and to enforce a clean and simple syntax.

1028 asked today, 5881 this week

php

1081415

PHP is a widely used, high-level, dynamic, object-oriented and interpreted scripting language primarily designed for server-side web development.

447 asked today, 2651 this week

android

1072120

Google's mobile operating system, used for programming or developing digital devices (Smartphones, Tablets, Automobiles, TVs, Wear, Glass, IoT). For topics related to Android development, use the android tag.

499 asked today, 2794 this week

jquery

943870

jQuery is a JavaScript library, consider also adding the javascript tag. jQuery is a popular cross-browser JavaScript library that facilitates Document Object Model (DOM) traversal, event handling, and animating, and provides a high-level abstraction over the jQuery API.

321 asked today, 1235 this week

html

803481

HTML is the standard markup language used for structuring web pages and formatting content. HTML describes the structure of a website semantically along with cues for visual presentation.

327 asked today, 1959 this week

css

575077

CSS is a representation style sheet language used for describing the look and formatting of HTML (Hyper Text Markup Language), XML (Extensible Markup Language), and SVG (Scalable Vector Graphics) documents.

327 asked today, 1959 this week

mysql

543669

MySQL is a free, open source Relational Database Management System (RDBMS) that uses Structured Query Language (SQL). DO NOT USE this tag for other DBs such as SQL Server, Oracle, etc.

279 asked today, 1274 this week

Social Classification

goodreads Home My Books Browse Community Search books

My Books: short-stories (11)

Search and add books

Batch Edit Settings Stats Print Enable Sorting

cover	title	author	avg rating	rating	shelves	date read	date added	
	I Hate to See That Evening Sun Go Down: Collected Stories	Gay, William	4.31	★★★★☆	read, american-south, short-stories (add)	Jan 28, 2018	Dec 24, 2015	edit view x
	Interpreter of Maladies	Lahiri, Jhumpa 4.14	★★★★☆	★★★★☆	read, immigrant-experience, india, short-stories (add)	Feb 22, 2017	Feb 09, 2017	edit view x
	The Illustrated Man	Bradbury, Ray 4.14	★★★★☆	★★★★☆	read, science-fiction, short-stories (add)	Feb 05, 2016	Jul 23, 2014	edit view x
	The Lone Ranger and Tonto Fistfight in Heaven	Alexis, Sherman	4.09	★★★★☆	read, american-west, native-american-experience, short-stories (add)	Aug 08, 2015	Jul 30, 2015	edit view x
	Flying Home and Other Stories	Ellison, Ralph 3.88	★★★★☆	★★★★☆	read, african-american-experience, not yet read (add)	Feb 06, 2014	Feb 06, 2014	edit view x

11 of 11 loaded per page infinite scroll sort Date read asc desc More books shelved as 'short-stories'

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