GLUE LANGUAGES

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***Abstrac*t: we will discuss with glue languages. Because it is combination of language project.one language have known have programmer now a day don't reject by this glue languages. because the glue is the bridge between other language with one language. Already known about operating system independent/ dependent. same as language independent/ dependent .so we don't suffer the programmer this helps to us.one language have written a programmer is more complex. which one is easy and simple. That modules are collected from the languages the collection of modules have to form a package. Glue is the flexible to language frame work the glue means bridge between more them one language can connect run on the same frame that languages are, PYTHON, SCALA, RUBY, PERL, AND JAVA SCRIPT, because it is scripting language/frame work languages. it is one of the programmer projects so it is called integrated more than one language of the frame work. software engineer role to do this process. because it is less work and more performance of the field .so glue languages is the bridge of the languages more useful to the programmer.**

Key Words: **FFI, API, ETL, AWS**

INTRODUCTION

Why need to glue? Because glue means connect in English language. More than one language can connect to the same language. So, it is glue language or frame work language python is one of the greatest glue languages. Group of language called glue.it is connecter language. Not only python .in AWS (serverless) cloud form is the scala and another form is java script. ruby and Perl. Glue language tools or approach that can utilize the foreign function interface to connect and interface software component.

Programming is the large and programming is the small .in this view supporting is glue code, connecting software component and language specialized for the purpose in glue language. because it is language binding. We will elaborate discuss about each one. What is the benefit of glue code to the programmer by the programming languages. What is help us they like as can programmer can write a program .and then binding or connect by these languages so this is glue.

GLUE LANGUAGE MEANS:

It is a programming language or script. That is used to connect and integrated various software component facilizing their connecting. facility their communication and interaction together these components to create a cohesion software system.

COHESIVE MEANS:

The cohesive software programs are used to glue by the languages. Because glue is the connector. Cohesive means "same as" software but different syntax not in the semantic of the 'glue language, because it is like as grammar the language grammars is syntax statement are differ. But not changes the semantics (meaning) of the word. All languages are based by grammars without grammar without meaning of the statement or sentences. because it is (cohesive are glue by the grammar in all languages also like as in computer languages via through the glue languages.).

JAVA SCRIPT: JSCRIPT:

Jscript is the common glue languages. Because it is multi-paradigm dynamic languages with type and operator standard built – in object and methods. It is syntax is based on java and c languages. many structures then their languages applied to java script as well.

Which is used for dynamic content for website by adding new html element which modifying existing one many codes enhanced web development skill using java script to create user – friendly and interface website.

Java script used to front -end (browser-side) instruct by the python back-end (sever-side) logic. JavaScript is used create used a dynamic instruction user interface. Java script to send the request to a

python back-end (example web API) and the display the data return from the server. Because it is based the request and responds process. If it is work between the glue languages.

FRAME WORK AS A GLUE:

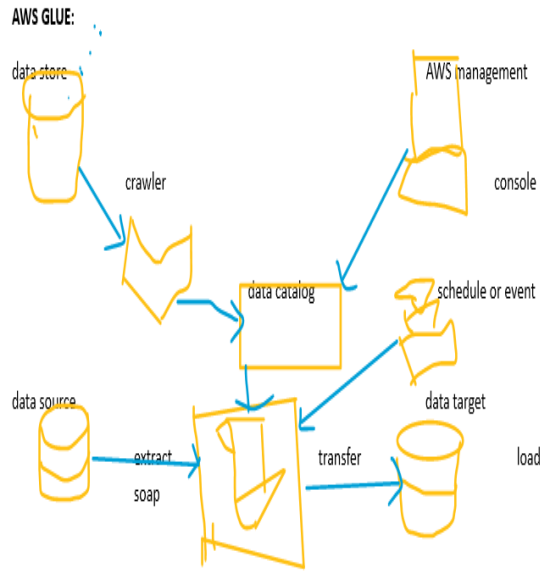
In same context frame work can be thought of as a glue. that hold together different component or modules of a system when the frame work provide to interact and share information frame work more than the glue.

it is bridging the gap between in compatible systems or modules enabling them to communicate share the data. language binding -object -relational mapping or interacting communicated software. Pré- built-components are include ready-to-use. That can be reused across different part of an application.

WEB FRAMEWORKS:

AWS glue allows to connect to different data sources and performance data transformation. Framework is more comprehensive a tool then the just glue.it provides foundation up on which can be built your application using glue code (if needed) to integrated different component which that foundation UI (user interface). Mapping components and state

AWS GLUE:



AWS glue concept: key concept:

Data catalog:

Meta data store store containing table definition, job, others only information for ETL work flow

Crawler: Program that connects to the data source, information data structure and create meta data table definition in the data catalog.

TRIGGER: mechanism to inter job run based on scheduling or events

ETL JOB:

The barrier logic to extract data from source transformation it using Apache spark script, and load in to target

It is fully managed by ETL (extract, transfer and load) services that simplify data preparation and loading analysis. The glue supported various data sources and targets. Serverless user don't need to manage or previous infrastructure according to web services managing meta data of data set. meta data between two various data stores.

GLUE STUDIO:

It is visual interface and designing, executing and monitoring ETL jobs.

ETL JOBS:

Written in python or scala use can create and run ETL job with script, code generate automatically and ETL pipe line code in python or scala. Glue ca scales up or down automatically.

PYTHON IN GLUE:

Python is glue language because it is versatile and easy to use scripting language that is well suited for orchestrating or connecting component written in other languages. Python can easily interact with code written other languages like C, C++ ,JAVA. Through library and interfaces its syntaxis designed to be readable and easy to learn. python is dynamic type and ease of use allow for quick development and experimentation.

Python libraries:

NumPy:

Pandas: it is providing the powerful tool for working with data's

Python is act as a unify language allowing and develops to build system by connecting different components without having to remote everything in a single language.

Connecting with web development

By glue languages: Python can sure as bridge between java script front-end and back-end source written in other languages. especially with frame work. Like Django, can written to built the source side logic and API for web application.

Python lies many powerful webs frame works lie as Django, flask. And library (like request) that streamline web development task making it even easy to 'glue' things together. because glue means - connecting.

FFI (foreign function interface)-How to use in glue languages:

it is function interface to glue languages because it is allowed to program written in one program language to call routines or make use of various written other languages.it essentially provide a bridge between languages interact and share the functionality.

Glue languages is used to FFI act as like connecting agent. Allowing different programming languages or components write together seamlessly it is easier to integrated code written is different language with in single application.

GLUE and FFI ARE same:

NO, the glue language and foreign function interface are not same though the related. FFI mechanism for calling code written in one language from connect while glue languages are

Used to connect different software component often including component written in other languages.

CONCLUSION

All languages are interacted with one domain languages so it is showing the linking to other languages. one program can learn to that language. While use domain language accept easy to run. Because it is additional technology to run the task and another one benefits to understand the other languages concept it is not a language integration. Then program is integrated complex program which write a code it is easy to write any other language is available .accept the glue language ,No need different platform and different languages .don't worry about that ,all are accept that executed languages ,, even though web site also browser-sever-side also request and response process do to the source process by there glue languages .finally told glue is together with the all languages, because it is languages joint family.

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