environment, Organizational, Platform instance, and SP Service instance mapping. Service Instance Repository 122 may enable retrieving of existing instance in other Cloud environments and/or platforms and further enable external service instance deletion pre-checks. Auth 124 may represent a Platform to PC that may be Platform dependent, *e.g.*, SF to SP: OAuth. In addition, Auth 124 may represent App to Service : Service Dependent *(e.g,* Functional Account based auth, OAuth).

[0034]   Auth may represent authentication which refers to confirmation of the truth of an attribute of a single piece of data claimed true by an entity. This may be contrasted with identification which may refer to stating or otherwise indicating a claim purportedly attesting to a person or thing's identity. Authentication may represent the process of actually confirming that identity. For example, it may involve verifying the authenticity of a website or software component with a digital certificate. According to an embodiment of the present invention, the PC may need to be sure that the instructions it receives are genuinely coming from the platform. The SPs may need to be sure that an API call it receives comes from a valid, genuine PC, for example, for the components. Failure to authenticate components may make Denial of Service (DOS) attacks easy, as anyone could provision new service instances. The process of authorization may be distinct from that of authentication, where authentication may refer to the process of verifying that "you are who you say you are," authorization may refer to the process of verifying that "you are permitted to do what you are trying to do." This does not mean authorization presupposes authentication; an anonymous agent could be authorized to a limited action set. Oauth (current version is OAuth 2.0) may represent a standard to perform Authorization. OpenID Connect (OIDC) may represent an authentication layer built on top of OAuth 2.0.