

OCF “Dubai” – Indirect Discovery Clarification – Core Technology WG CR 2702

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11.3.2.3 Indirect discovery of Resources (resource directory based discovery)

In indirect discovery the information about the resource to be discovered is hosted on a Server that is not hosting the resource. See section 11.3.6 for details on resource directory based discovery.

In indirect discovery:

- a) The resource to be discovered is hosted on a Device (e.g., an OCF Light Device) that is neither the client initiating the discovery nor the Device (e.g., Resource Directory (RD)) that is providing the information to be discovered. This Device (e.g., RD) assisting indirect discovery may use the same resource to provide discovery for multiple agents looking to discover and for multiple agents with information to be discovered.
- b) The Device to be discovered or with information to discover, acting as the publishing Device, requests to publish that information with resource to be discovered on a different Device acting as the Resource Directory. The policies on the information shared including the lifetime/validity are specified by the publishing Device. The publishing Device may modify these policies as required, e.g. the Resource Directory may shorten the lifetime/validity upon granting the publishing request.
- c) The client doing the discovery may send a unicast discovery request to the Device hosting the discovery information or send a multicast request that shall be monitored and responded to by the Device. In both cases, the Device hosting the discovery information is acting on behalf of the publishing Device.
- d) The discovery policies may be set by the Device hosting the discovery information or by the party that is publishing the information to be discovered. The discovery information that is returned in the discovery response shall adhere to the policies that are in effect at the time of the request.