

## Format of the Subscriber's URI

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Many of Dynamic Service Activator's methods require the argument subURI, the subscriber's uniform resource identifier (URI). This argument comprises two portions: the type of subscriber (subscriber-type) and a list of the subscriber's attributes (subscriber-comp). The syntax for the subURI argument is:

`< subscriber-type > : < subscriber-comp > [& < subscriber-comp > ]*`

The `< subscriber-type >` variable is the name of the Subscriber Type instance that is defined in the directory during the Dynamic Service Activator configuration. For example, the sample data provides these Subscriber Type instances for the `< subscriber-type >` value:

- ip—The sidType is SIT\_ADDRESS
- dn—The sidType is SIT\_DN
- login—The sidType is SIT\_LOGIN\_NAME
- assignedIp—The sidType is SIT\_ADDR\_IF\_NAME
- intName—The sidType is SIT\_IF\_NAME
- intIndex—The sidType is SIT\_IF\_INDEX

The `< subscriber-comp >` variable has the format `< type > = < value > .`

- `< type >` can be one of the following:
  - ipAddress—Subscriber's IP address; mandatory when the sidType is SIT\_ADDRESS or SIT\_ADDR\_IF\_NAME
  - timestamp—Time at which the request was sent; optional when the sidType is SIT\_ADDRESS
  - dn—Subscriber's DN; mandatory when the sidType is SIT\_DN
  - intfName—Name of the interface on which the subscriber logs in; mandatory when the sidType is SIT\_IF\_NAME, optional when the sidType is SIT\_ADDR\_IF\_NAME
  - vrfName—Name of the VRF associated with the subscriber; mandatory when the sidType is SIT\_IF\_NAME or SIT\_IF\_INDEX, optional when the sidType is SIT\_ADDR\_IF\_NAME
  - login\_name—Name with which the subscriber logs in; mandatory when the sidType is SIT\_LOGIN\_NAME
  - intfIndex—SNMP index of the interface on which the subscriber logs in; mandatory when the sidType is SIT\_IF\_INDEX
  - primary\_user\_name—Primary username; mandatory when the sidType is SIT\_PRIMARY\_USER\_NAME
- `< value >` can be a combination of the following:
  - `< operator >` —One of the following:

; | / | ? | : | @ | & | = | + | \$ | ,

- <textString> —Text string that uses the following characters:
  - Lowercase letters
  - Uppercase letters
  - Arabic numerals
  - - | \_ | . | ! | ~ | \* | ' | ( | )
- % <hexNumber> —2-character hexadecimal number

For example, you can use the following subscriber's URI to look up a subscriber by IP address as specified by the sample data:

ip:ipAddress = 192.168.1.10

The sample data defines a subscriber type named ip, whose sidType is SIT\_ADDRESS and nicProxyNamespace is /nicProxies/ip. As a result, ip is the value of the <subscriber-type> variable. Because the sidType is SIT\_ADDRESS, ipAddress is mandatory for the <type> component, and the subscriber's IP address is the <value> component of the <subscriber-comp> variable.