Stat Server User's Guide

The Subject Algorithm

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The Subject Algorithm

Stat Server can tally statistics with varying levels of granularity for a given object. To narrow the subject of interest, you use only one of the following to define the `Subject` statistic option within a stat type definition:

- `AgentStatus`
- `PlaceStatus`
- `GroupStatus`
- `DNAction`
- `DNStatus`
- `Action`
- `CampaignAction`

The first part of each compound value indicates the data source where Stat Server tracks information: DN, agent, place, group, or campaign. The second part of the compound value indicates whether Stat Server should consider the actions occurring at the data source or the statuses. For example, a `DNAction` subject assignment within a stat type definition informs Stat Server that the actions generated for a regular directory number are the source of statistics for all applicable objects. The `AgentStatus` subject informs Stat Server that the status of agents are the source of statistics for all applicable objects.

If you specify an invalid or unsupported subject given, Stat Server will both:

- Refuse to open the affected statistic
- Log an error

> **Tip**
>
> Starting with release 8.1.2, Stat Server automatically changes subject of the {`Place, AgentStatus`} and {`Agent, PlaceStatus`} admissible combinations and validates statistics.

Table below maps the objects to which each statistical subject applies. This mapping also indirectly reveals the groups of objects which are compatible.

Statistical Subjects and the Objects to Which They Apply

Subject	Applicable to the Following Objects	Description
AgentStatus	Agent	Indicates Stat Server should

Subject	Applicable to the Following Objects	Description
	Tenant GroupAgents	consider only the status occurring at agent data sources.
CampaignAction	CampaignGroup CallingList CampaignCallingList	Indicates Stat Server should consider only the actions occurring at campaign data sources.
DNAction (alias Action)	RegDN Agent Place Queue Tenant RoutePoint GroupAgents GroupPlaces GroupQueues	Indicates Stat Server should consider only the actions occurring at regular directory number data sources.
DNStatus	RegDN Agent Place Tenant GroupAgents GroupPlaces	Indicates Stat Server should consider only the status occurring at regular directory number data sources.
GroupStatus	GroupAgents GroupPlaces Tenant	Indicates Stat Server should consider only the status occurring at place group or agent group data sources.
PlaceStatus	Place Tenant GroupPlaces	Indicates Stat Server should consider only the status occurring at place data sources.