



## ? Dynamic Focus Cheatsheet



Filter & Search will be applied across Infrastructure, Application, Events, Traces & Website components . Type-ahead depth will always be dynamic, based on technology, and based on Lucene syntax

## Top Level

## Entity – Infrastructure or Application Filter

`entity.jvm.app.name:myapp`  
`entity.zone:Production`

## Event – Change/Issue/Incident Filter

`event.type:incident`  
`event.state:open`

## Trace - Relating to entire trace

`trace.duration:>5000`

## Span – search and filter within traces

`span.website.userAgent.browser.name:Chrome AND span.website.userAgent.browser.version:61`  
`span.http.status:500`

## Filter – reference existing saved filter

`filter.Scaling`

## Example questions &amp; sample answers:-

Find services for a specific Host IP address ? [ `entity.host.ip:172.31.16.128` ]

Search for versions of a JVM ? [ `entity.jvm.version:1.8*` ]

Search for traces from a particular metadata ? [ `span.website.meta:"user=tom.mason@example.com"` ]

Display only production zones? [ `entity.zone:production` ]

Display web traces for a country [ `span.website.geo.country:"United States"` ]

Display only Python traces : [ `trace.type:python` ]

Display open incidents [ `event.state:open AND event.type:incident` ]

Display AWS RDS for a particular Database [ `entity.aws.rds.name:MYDB` ]

Filter by Instana Tag [ `entity.tag:hostGroup=demo` ]

Display by Docker image [ `entity.docker.image:"*/ratingservice"` ]

Display AWS ec2 entity by type [ `entity.ec2.type:*small` ]

Filter by NodeJS Service name [ `entity.nodejs.app.name:ratingservice` ]

Search for traces with spans that are jdbc, take longer than 300 ms and contain any select statement

[ `span.duration:>300 AND span.type:jdbc AND span.content:"*select*"` ]

## Operators &amp; Grouping

The following operators can be used on any focus query:-

AND

`entity.ec2.type:t2.small AND entity.zone:Production`

OR

`entity.docker.image:redis OR entity.docker.image:"tomcat:alpine"`

NOT (or !)

`!entity.service.name:healthcheck`

< > Comparisons (for numeric values)

`span.duration:>1000`

## Wildcards

`entity.springboot.name:Instana*`

## Grouping (Queries can be grouped with brackets)

`(entity.selfType:docker AND entity.ec2.type:c4.xlarge ) OR entity.ec2.type:t2.small`

## Tips and Tricks

Spaces or : in queries must be quoted eg. `entity.zone:"Service cluster"`

`entity.type:jvm` - gives all entities back that are java and connected to java type entities

`entity.selfType:jvm` - gives all entities back that are java and only them (including in the UI the necessary entities (host, docker) on the maps)

If no operator is specified AND is implied

jump to filter field using “f” hotkey (all hotkeys through Shift+?)

Suggestions can be selected by the keyboard

All filters are reflected in the URL (bookmarking, sharing)

Filters are always applied to the selected time range and moment

Filters are also used for custom knowledge (custom issues), in the API and the service mapper

add \* after a keyword if you are not sure what you look for - it will still show everything

Returned data will always be specific to the UI you have selected.