

## oracle 10g 研究ORACLE\_HOME rdbms admin 下的脚本的功能 (25) bsln\_types.sql

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```
#Baseline types (creation).
#This script defines the types to create for metric baseline support.
Rem      These are the most fundamental composite types, used in function and
Rem      procedure APIs.
#

Rem
Rem $Header: bsln_types.sql 11-may-2004.14:33:57 jsoule Exp $
Rem
Rem bsln_types.sql
Rem
Rem Copyright (c) 2004, Oracle. All rights reserved.
Rem
Rem      NAME
Rem      bsln_types.sql - Baseline types (creation).
Rem
Rem      DESCRIPTION
Rem      This script defines the types to create for metric baseline support.
Rem      These are the most fundamental composite types, used in function and
Rem      procedure APIs.
Rem
Rem      NOTES
Rem      None.
Rem
Rem      MODIFIED      (MM/DD/YY)
Rem      jberesni      07/01/04 - change ds prefix to bsln, add bsln_statistics_[t,set]
Rem      jsoule        05/11/04 - jsoule_more_baseline_support
Rem      jsoule        05/10/04 - Created
Rem
Rem
Rem
Rem Type:
Rem      bsln_interval_t
Rem
Rem Description:
Rem      This relation is an interval or subinterval of a baseline.
Rem
Rem Fields:
Rem      bsln_guid      - Globally unique identifier for the baseline
Rem      interval_begin - begin time of interval or subinterval
Rem      interval_end   - end time of interval or subinterval
Rem
Rem
Rem
create type bsln_interval_t as object
(
    (bsln_guid      raw(16)
    , interval_begin date
    , interval_end   date
    );
/

Rem
Rem Type:
Rem      bsln_interval_set
```

```

Rem
Rem  Description:
Rem    This is a set of intervals, or subintervals, of baselines.
Rem

create type bsln_interval_set as table of bsln_interval_t;
/

Rem
Rem  Type:
Rem    bsln_observation_t
Rem
Rem  Description:
Rem    This relation is an observation of a data source.
Rem
Rem  Fields:
Rem    datasource_guid - metric instance (<target,metric,key>) observed
Rem    bsln_guid       - unique baseline identifier
Rem    subinterval_code - encoding of the subinterval of a baseline
Rem    obs_time        - time of observation
Rem    obs_value       - value observed

create type bsln_observation_t as object
  (datasource_guid  raw(16)
  ,bsln_guid        raw(16)
  ,subinterval_code raw(21)
  ,obs_time         date
  ,obs_value        number
  );
/

Rem
Rem  Type:
Rem    bsln_observation_set
Rem
Rem  Description:
Rem    This is a set of observations of data sources.
Rem

create type bsln_observation_set as table of bsln_observation_t;
/

Rem
Rem  Type:
Rem    bsln_statistics_t
Rem
Rem  Description:
Rem    An object attribute-column matched to mgmt_bsln_statistics
Rem

create type bsln_statistics_t as object
  (bsln_guid        raw(16)
  ,datasource_guid  raw(16)
  ,compute_date     date
  ,subinterval_code raw(21)
  ,sample_count     number
  ,average          number

```

```
,minimum          number
,maximum          number
,sdev             number
,pctile_25        number
,pctile_50        number
,pctile_75        number
,pctile_90        number
,pctile_95        number
,est_sample_count number
,est_slope        number
,est_intercept    number
,est_fit_quality  number
,est_pctile_99    number
,est_pctile_999   number
,est_pctile_9999  number
);
```

```
/
```

```
Rem
```

```
Rem  Type:
```

```
Rem    bsln_statistics_set
```

```
Rem
```

```
Rem  Description:
```

```
Rem    A set of statistics objects
```

```
Rem
```

```
create type bsln_statistics_set as table of bsln_statistics_t;
```

```
/
```