ASP Mining Starter Pack - Data Dictionary Cubes

Version	Author	Comments
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ASPMining.Analytics.EquipmentCube

▼ Measures

- measure **Capacity** (enabled)

sourceProperty: Capacity

- measure **LastActivity** (enabled)

sourceProperty: LastUnifiedEvent.EventDateTime

▼ Dimensions

- dimension **Equipment** (enabled)

    - hierarchy **H1** (enabled)

        - level **CategoryName** (enabled, type=data, sourceProperty=EquipmentCategory.Description) with display name = Group Name

        [Equipment>H1>CategoryName]

        - level **EquipmentName** (enabled, type=data, sourceProperty=Name) with display name = Equipment Name

        [Equipment>H1>EquipmentName]

- dimension **LastActivity** (enabled)

sourceProperty: LastUnifiedEvent.EventDateTime

    - hierarchy **H1** (enabled)

        - level **EventDateDay** (enabled, type=time)

        [LastActivity>H1>EventDateDay]

        - level **EventDateHour** (enabled, type=time)

        [LastActivity>H1>EventDateHour]

        - level **EventDateMinute** (enabled, type=time)

        [LastActivity>H1>EventDateMinute]

- dimension **Model** (enabled)

    - hierarchy **H1** (enabled)

        - level **Model** (enabled, type=data, sourceProperty=EquipmentModel.Description) with display name = Equipment Model

          [Model>H1>Model]

ASPMining.Analytics.OEMEventsCube

Measures

- measure **Value** (enabled)

sourceProperty: Value

Dimensions

- dimension **Event** (enabled)

sourceProperty: ReadTime

- hierarchy **H1** (enabled)

  - level **ReadTime** (enabled, type=time)

  [Event>H1>ReadTime]

- dimension **Name** (enabled)

  - hierarchy **H1** (enabled)

    - level **EquipmentName** (enabled, type=data, sourceProperty=Equipment.Name)

    [Name>H1>EquipmentName]

  - hierarchy **H2** (enabled)

    - level **EquipmentModel** (enabled, type=data, sourceProperty=Equipment.EquipmentModel.Description)

    [Name>H2>EquipmentModel]

  - hierarchy **H3** (enabled)

    - level **EquipmentCategory** (enabled, type=data, sourceProperty=Equipment.EquipmentCategory.Description)

    [Name>H3>EquipmentCategory]

ASPMining.Analytics.ProductionEventsCube

▼ Measures

- measure **Capacity** (enabled)

sourceProperty: Equipment.Capacity

- measure **Duration** (enabled)

sourceProperty: Duration

- measure **MeasuredTons** (enabled)

sourceProperty: MeasuredTons

▼ Dimensions

- dimension **Equipment** (enabled)

  - hierarchy **H2** (enabled)

    - level **Category** (enabled, type=data, sourceProperty=Equipment.EquipmentCategory.Description)
    [Equipment>H2>Category]

  - hierarchy **H1** (enabled)

    - level **Name** (enabled, type=data, sourceProperty=Equipment.Name)
    [Equipment>H1>Name]

  - hierarchy **H3** (enabled)

    - level **Model** (enabled, type=data, sourceProperty=Equipment.EquipmentModel.Description)
    [Equipment>H3>Model]

- dimension **Location** (enabled)

  - hierarchy **H1** (enabled)

- level **Name** (enabled, type=data, sourceProperty=Location.Name)

[Location>H1>Name]

- hierarchy **H2** (enabled)

  - level **Grade** (enabled, type=data, sourceProperty=Location.Grade)

  [Location>H2>Grade]

- dimension **PreviousLocation** (enabled)

  - hierarchy **H1** (enabled)

    - level **Name** (enabled, type=data, sourceProperty=PreviousLocation.Name)

    [PreviousLocation>H1>Name]

  - hierarchy **H2** (enabled)

    - level **Grade** (enabled, type=data, sourceProperty=PreviousLocation.Grade)

    [PreviousLocation>H2>Grade]

- dimension **ProductionStatus** (enabled)

  - hierarchy **H1** (enabled)

    - level **Description** (enabled, type=data, sourceProperty=ProductionStatusType.Description)

    [ProductionStatus>H1>Description]

- dimension **Shift** (enabled)

  - hierarchy **H1** (enabled)

    - level **Id** (enabled, type=data, sourceProperty=Shift.Id)

    [Shift>H1>Id]

  - hierarchy **H2** (enabled)

    - level **Type** (enabled, type=data, sourceProperty=Shift.ShiftType.Type)

    [Shift>H2>Type]

- dimension **StartTime** (enabled)

sourceProperty: StartTime

- hierarchy **H1** (enabled)

    - level **StartTimeDay** (enabled, type=time)

    [StartTime>H1>StartTimeDay]

    - level **StartTimeHour** (enabled, type=time)

    [StartTime>H1>StartTimeHour]

    - level **StartTimeMinute** (enabled, type=time)

    [StartTime>H1>StartTimeMinute]

ASPMining.Analytics.StatusEventSlicedCube

▼ **Measures**

• measure **PartialDuration** (enabled)

sourceProperty: PartialDuration

• measure **PartialDurationAVG** (enabled)

sourceProperty: PartialDuration

▼ **Dimensions**

• dimension **Equipment** (enabled)

> • hierarchy **H1** (enabled)

>> • level **Category** (enabled, type=data, sourceProperty=Equipment.EquipmentCategory.Name) with display name = Category
>> [Equipment>H1>Category]

>> • level **Name** (enabled, type=data, sourceProperty=Equipment.Name) with display name = Name
>> [Equipment>H1>Name]

• dimension **Reason** (enabled)

> • hierarchy **H1** (enabled)

>> • level **Description** (enabled, type=data, sourceProperty=StatusReason.Description)
>> [Reason>H1>Description]

• dimension **ShiftDate** (enabled)

sourceProperty: Shift.DateTime

- hierarchy **H1** (enabled)

    - level **DateTimeYear** (enabled, type=time)

    [ShiftDate>H1>DateTimeYear]

    - level **DateTimeMonth** (enabled, type=time)

    [ShiftDate>H1>DateTimeMonth]

    - level **DateTimeDay** (enabled, type=time)

    [ShiftDate>H1>DateTimeDay]

    - level **DateTimeMinute** (enabled, type=time)

    [ShiftDate>H1>DateTimeMinute]

- dimension **ShiftInfo** (enabled)

    - hierarchy **H1** (enabled)

        - level **ShiftId** (enabled, type=data, sourceProperty=Shift.Id)

        [ShiftInfo>H1>ShiftId]

    - hierarchy **H2** (enabled)

        - level **ShiftType** (enabled, type=data, sourceProperty=Shift.ShiftType.Type)

        [ShiftInfo>H2>ShiftType]

    - hierarchy **H3** (enabled)

        - level **CrewName** (enabled, type=data, sourceProperty=Shift.Crew.Name)

        [ShiftInfo>H3>CrewName]

- dimension **ShiftType** (enabled)

    - hierarchy **H1** (enabled)

        - level **Type** (enabled, type=data, sourceProperty=Shift.ShiftType.Type)

        [ShiftType>H1>Type]

- dimension **SliceStartDate** (enabled)

sourceProperty: SliceStartDate

- hierarchy **H1** (enabled)

  - level **SliceStartDateYear** (enabled, type=time)
  [SliceStartDate>H1>SliceStartDateYear]

  - level **SliceStartDateMonth** (enabled, type=time)
  [SliceStartDate>H1>SliceStartDateMonth]

  - level **SliceStartDateDay** (enabled, type=time)
  [SliceStartDate>H1>SliceStartDateDay]

  - level **SliceStartDateHour** (desenabled, type=time)
  [SliceStartDate>H1>SliceStartDateHour]

  - level **SliceStartDateMinute** (enabled, type=time)
  [SliceStartDate>H1>SliceStartDateMinute]

- dimension **StatusType** (enabled)

  - hierarchy **H1** (enabled)

    - level **StatusType** (enabled, type=data, sourceProperty=StatusType.Description)
    [StatusType>H1>StatusType]

▼ **Listings**

- listing **ListingDetails** (enabled) with display name = Equipment Name

Partial Duration

ASPMining.Analytics.UnifiedEventsCube

▼ Measures

- measure **AvgTravelTime** (enabled)

sourceProperty: Trip.AvgTravelTime

- measure **Capacity** (enabled)

sourceProperty: Equipment.Capacity

- measure **CapacityMax** (enabled)

sourceProperty: Equipment.Capacity

- measure **Duration** (enabled)

sourceProperty: Duration

- measure **MeasuredTons** (enabled)

sourceProperty: ProductionEvent.MeasuredTons

- measure **OperativeDuration** (enabled)

sourceProperty: OperativeDuration

- measure **ReferenceTravelTime** (enabled)

sourceProperty: Trip.ReferenceTravelTime

- measure **StatusEventDuration** (enabled)

sourceProperty: StatusEvent.Duration

- measure **TripTime** (enabled)

sourceProperty: TripTime

▼ Dimensions

- dimension **Crew** (enabled)

  - hierarchy **H1** (enabled)

    - level **CrewName** (enabled, type=data, sourceProperty=Shift.Crew.Name)
    [Crew>H1>CrewName]

- dimension **Equipment** (enabled)

  - hierarchy **H1** (enabled)

    - level **EquipmentCategory** (enabled, type=data,
    sourceProperty=Equipment.EquipmentCategory.Name)
    [Equipment>H1>EquipmentCategory]

    - level **EquipmentName** (enabled, type=data, sourceProperty=Equipment.Name)
    [Equipment>H1>EquipmentName]

- dimension **EventDateTime** (enabled)

sourceProperty: EventDateTime

  - hierarchy **H1** (enabled)

    - level **EventDateTimeYear** (enabled, type=time)
    [EventDateTime>H1>EventDateTimeYear]

    - level **EventDateTimeMonth** (enabled, type=time)
    [EventDateTime>H1>EventDateTimeMonth]

    - level **EventDateTimeDay** (enabled, type=time)
    [EventDateTime>H1>EventDateTimeDay]

    - level **EventDateTimeHour** (enabled, type=time)
    [EventDateTime>H1>EventDateTimeHour]

• level **EventDateTimeMinute** (enabled, type=time)

[EventDateTime>H1>EventDateTimeMinute]

• dimension **Location** (enabled)

   • hierarchy **H1** (enabled)

      • level **LocationName** (enabled, type=data, sourceProperty=ProductionEvent.Location.Name)

      [Location>H1>LocationName]

• dimension **PreviousLocation** (enabled)

   • hierarchy **H1** (enabled)

      • level **PreviousLocationName** (enabled, type=data, sourceProperty=ProductionEvent.PreviousLocation.Name)

      [PreviousLocation>H1>PreviousLocationName]

• dimension **ProductionEvent** (enabled)

   • hierarchy **H1** (enabled)

      • level **ProductionStatusType** (enabled, type=data, sourceProperty=ProductionEvent.ProductionStatusType.Description)

      [ProductionEvent>H1>ProductionStatusType]

• dimension **ProductionEventStartTime** (enabled)

sourceProperty: ProductionEvent.StartTime

   • hierarchy **H1** (enabled)

      • level **ProductionEventStartTimeDay** (enabled, type=time)

      [ProductionEventStartTime>H1>ProductionEventStartTimeDay]

      • level **ProductionEventStartTimeMinute** (enabled, type=time)

      [ProductionEventStartTime>H1>ProductionEventStartTimeMinute]

- dimension **ShiftDateTime** (enabled)

sourceProperty: Shift.DateTime

  - hierarchy **H1** (enabled)

    - level **ShiftDateTimeDay** (enabled, type=time)

    [ShiftDateTime>H1>ShiftDateTimeDay]

    - level **ShiftDateTimeHour** (enabled, type=time)

    [ShiftDateTime>H1>ShiftDateTimeHour]

- dimension **ShiftType** (enabled)

  - hierarchy **H1** (enabled)

    - level **Type** (enabled, type=data, sourceProperty=Shift.ShiftType.Type)

    [ShiftType>H1>Type]

    - level **Id** (enabled, type=data, sourceProperty=Shift.Id)

    [ShiftType>H1>Id]

- dimension **StatusEvent** (enabled)

  - hierarchy **H1** (enabled)

    - level **StatusReason** (enabled, type=data, sourceProperty=StatusEvent.StatusReason.Description)

    [StatusEvent>H1>StatusReason]

  - hierarchy **H2** (enabled)

    - level **StatusTypeInsideReason** (enabled, type=data, sourceProperty=StatusEvent.StatusReason.StatusType.Description)

    [StatusEvent>H2>StatusTypeInsideReason]

  - hierarchy **H3** (enabled)

    - level **StatusType** (enabled, type=data, sourceProperty=StatusEvent.StatusType.Description)

    [StatusEvent>H3>StatusType]

- dimension **StatusEventStartDate** (enabled)

sourceProperty: StatusEvent.StartDate

- hierarchy **H1** (enabled)

    - level **StatusEventStartDateDay** (enabled, type=time)

    [StatusEventStartDate>H1>StatusEventStartDateDay]

    - level **StatusEventStartDateMinute** (enabled, type=time)

    [StatusEventStartDate>H1>StatusEventStartDateMinute]

- dimension **Trip** (enabled)

    - hierarchy **H1** (enabled)

        - level **TripName** (enabled, type=data, sourceProperty=Trip.Name)

        [Trip>H1>TripName]

    - hierarchy **H2** (enabled)

        - level **Destination** (enabled, type=data, sourceProperty=Trip.DestinationLocation.Name)

        [Trip>H2>Destination]

    - hierarchy **H3** (enabled)

        - level **Origin** (enabled, type=data, sourceProperty=Trip.OriginLocation.Name)

        [Trip>H3>Origin]

    - hierarchy **H4** (enabled)

        - level **ReferenceTravelTime** (enabled, type=data, sourceProperty=Trip.ReferenceTravelTime)

        [Trip>H4>ReferenceTravelTime]

    - hierarchy **H5** (enabled)

        - level **TravelCount** (enabled, type=data, sourceProperty=Trip.TravelCount)

        [Trip>H5>TravelCount]

    - hierarchy **H6** (enabled)

- level **TotalTravelTime** (enabled, type=data, sourceProperty=Trip.TotalTravelTime) *[Trip>H6>TotalTravelTime]*

- dimension **TripTime** (enabled)

  - hierarchy **H1** (enabled)

    - level **TripTime** (enabled, type=data, sourceProperty=TripTime) *[TripTime>H1>TripTime]*

  - hierarchy **H2** (enabled)

    - level **ReferenceTravelTime** (enabled, type=data, sourceProperty=Trip.ReferenceTravelTime) *[TripTime>H2>ReferenceTravelTime]*

▼ **Listings**

- listing **Listado1** (enabled)

▼ **Calculated Members**

- calculated member **CapacityPerformance** (enabled)

dimension: memberDimension

valueExpression: [Measures].[MeasuredTons]/ [Measures].[Capacity]

- calculated member **OEE** (enabled)

dimension: memberDimension

valueExpression: [MEMBERDIMENSION].[Utilization]* [MEMBERDIMENSION].[CapacityPerformance]* [MEMBERDIMENSION].[TimePerformance]

- calculated member **TimePerformance** (enabled)

dimension: memberDimension

valueExpression: [Measures].[AvgTravelTime]/[Measures].[TripTime]

- calculated member **Utilization** (enabled)

dimension: memberDimension

valueExpression: [Measures].[OperativeDuration] / [Measures].[Duration]