  METHOD /iwbep/if\_mgw\_appl\_srv\_runtime~create\_deep\_entity.  
\*&---------------------------------------------------------------------\*  
\*\*--------------------------Data Declaration--------------------------\*\*  
\*&---------------------------------------------------------------------\*  
    DATA: lr\_deep\_entity    TYPE zcl\_z\_google\_posting\_mpc\_ext=>ts\_deep\_entity,  
          lo\_instance       TYPE REF TO zcl\_z\_update\_ocr\_extract,  
          it\_processed      TYPE STANDARD TABLE OF zcl\_z\_google\_posting\_mpc\_ext=>ts\_processed1,  
          it\_exceptions     TYPE STANDARD TABLE OF zcl\_z\_google\_posting\_mpc\_ext=>ts\_exceptions1,  
          ex\_invoice\_no     TYPE bapi\_incinv\_fld-inv\_doc\_no,  
          lt\_messages       TYPE STANDARD TABLE OF bapiret2,  
          ls\_header         TYPE ihttpnvp,  
          ex\_invoice\_upload TYPE char1,  
          lo\_meco           TYPE REF TO /iwbep/if\_message\_container,  
          lx\_busi\_exc       TYPE REF TO /iwbep/cx\_mgw\_busi\_exception.  
  
\*&---------------------------------------------------------------------\*  
\*\*--------------------------  Field Symbol  --------------------------\*\*  
\*&---------------------------------------------------------------------\*  
    FIELD-SYMBOLS:<fs\_processed> LIKE LINE OF it\_processed.  
  
\*&---------------------------------------------------------------------\*  
\*\*--------------------------     Constant   --------------------------\*\*  
\*&---------------------------------------------------------------------\*  
    CONSTANTS: c\_ips TYPE string VALUE 'Invoice Posted Successfully',  
               c\_pos TYPE string VALUE 'Posted'.  
  
    io\_data\_provider->read\_entry\_data( IMPORTING es\_data = lr\_deep\_entity ).  
  
    CREATE OBJECT lo\_instance.  
  
    it\_processed = lr\_deep\_entity-finger\_to\_processed.  
    READ TABLE it\_processed INTO DATA(ls\_po\_non\_po\_check) INDEX 1.  
  
\*------------------------------\*  
\*----------------------------\*  
\*----PO Invoice Posting----\*  
\*----------------------------\*  
\*------------------------------\*  
    IF ls\_po\_non\_po\_check-zpono IS NOT INITIAL.  
  
      CALL METHOD lo\_instance->po\_invoice\_posting\_new  
        EXPORTING  
          it\_processed  = it\_processed  
        IMPORTING  
          ex\_invoice\_no = ex\_invoice\_no  
          et\_return     = lt\_messages  
          et\_exceptions = it\_exceptions.  
  
      IF ex\_invoice\_no IS NOT INITIAL.  
        ls\_header-name = c\_ips.  
        ls\_header-value = ex\_invoice\_no.  
        /iwbep/if\_mgw\_conv\_srv\_runtime~set\_header( ls\_header ).  
  
        LOOP AT it\_processed ASSIGNING <fs\_processed>.  
          IF <fs\_processed> IS ASSIGNED.  
            <fs\_processed>-zstatus = c\_pos.  
            <fs\_processed>-zpostedinvoice = ex\_invoice\_no.  
          ENDIF.  
        ENDLOOP.  
  
\*----Calling the Method to upload incoming invoice image against MIRO invoice----\*  
        CALL METHOD lo\_instance->invoice\_upload  
          EXPORTING  
            iv\_invoiceno        = ex\_invoice\_no  
            im\_payload          = lr\_deep\_entity  
          IMPORTING  
            ex\_invoice\_uploaded = ex\_invoice\_upload.  
  
        CLEAR lr\_deep\_entity-finger\_to\_processed.  
        lr\_deep\_entity-finger\_to\_processed = it\_processed.  
        copy\_data\_to\_ref( EXPORTING  is\_data = lr\_deep\_entity  
                          CHANGING   cr\_data = er\_deep\_entity ).  
  
      ELSE.  
        CLEAR lr\_deep\_entity-finger\_to\_exceptions.  
        lr\_deep\_entity-finger\_to\_exceptions = it\_exceptions.  
        copy\_data\_to\_ref( EXPORTING  is\_data = lr\_deep\_entity  
                          CHANGING   cr\_data = er\_deep\_entity ).  
      ENDIF.  
    ELSE.  
\*------------------------------\*  
\*----------------------------\*  
\*----NON-PO Invoice Posting----\*  
\*----------------------------\*  
\*------------------------------\*  
      CALL METHOD lo\_instance->non\_po\_invoice\_posting\_new  
        EXPORTING  
          it\_processed  = it\_processed  
        IMPORTING  
          ex\_invoice\_no = ex\_invoice\_no  
          et\_return     = lt\_messages  
          et\_exceptions = it\_exceptions.  
  
      IF ex\_invoice\_no IS NOT INITIAL.  
        ls\_header-name = c\_ips.  
        ls\_header-value = ex\_invoice\_no.  
        /iwbep/if\_mgw\_conv\_srv\_runtime~set\_header( ls\_header ).  
  
        LOOP AT it\_processed ASSIGNING <fs\_processed>.  
          IF <fs\_processed> IS ASSIGNED.  
            <fs\_processed>-zstatus = c\_pos.  
            <fs\_processed>-zpostedinvoice = ex\_invoice\_no.  
          ENDIF.  
        ENDLOOP.  
  
\*----Calling the Method to upload incoming invoice image against MIRO invoice----\*  
        CALL METHOD lo\_instance->invoice\_upload  
          EXPORTING  
            iv\_invoiceno        = ex\_invoice\_no  
            im\_payload          = lr\_deep\_entity  
          IMPORTING  
            ex\_invoice\_uploaded = ex\_invoice\_upload.  
  
        CLEAR lr\_deep\_entity-finger\_to\_processed.  
        lr\_deep\_entity-finger\_to\_processed = it\_processed.  
        copy\_data\_to\_ref( EXPORTING  is\_data = lr\_deep\_entity  
                          CHANGING   cr\_data = er\_deep\_entity ).  
      ELSE.  
        CLEAR lr\_deep\_entity-finger\_to\_exceptions.  
        lr\_deep\_entity-finger\_to\_exceptions = it\_exceptions.  
        copy\_data\_to\_ref( EXPORTING  is\_data = lr\_deep\_entity  
                          CHANGING   cr\_data = er\_deep\_entity ).  
      ENDIF.  
    ENDIF." PO/NonPO Invoice Posting Check  
  ENDMETHOD.