

# DomExtract.ibeblock

```
execute ibeblock (
    CodeDir varchar(1000) = 'D:\IBEBlocks\' comment 'Path to necessary
    IBEBlocks',
    FileStrm variant)
as
begin
    FldTypeFunc = bec_LoadFromFile(CodeDir || 'FldType.ibeblock');

    if (FileStrm is not null) then
        FS = FileStrm;
    else
        FS = ibec_fs_OpenFile('D:\BlockScript.sql', __fmCreate);

for select f.rdb$field_name, -- 0
           f.rdb$validation_source, -- 1
           f.rdb$computed_source, -- 2
           f.rdb$default_source, -- 3
           f.rdb$field_length, -- 4
           f.rdb$field_scale, -- 5
           f.rdb$field_type, -- 6
           f.rdb$field_sub_type, -- 7
           f.rdb$description, -- 8
           f.rdb$segment_length, -- 9
           f.rdb$dimensions, -- 10
           f.rdb$null_flag, -- 11
           f.rdb$character_length, -- 12
           f.rdb$collation_id, -- 13
           f.rdb$character_set_id, -- 14
           f.rdb$field_precision, -- 15
           ch.rdb$character_set_name, -- 16
           co.rdb$collation_name -- 17
    from rdb$fields fleft join rdb$character_sets ch on
(f.rdb$character_set_id = ch.rdb$character_set_id)
    left join rdb$collations co on ((f.rdb$collation_id =
co.rdb$collation_id) and
    (f.rdb$character_set_id = co.rdb$character_set_id))
    where not (f.rdb$field_name starting with 'RDB$')
    order by rdb$field_name
    into :DomProps
do
begin
    DomName = DomProps[0];
    execute ibeblock FldTypeFunc(DomProps[6], DomProps[7], DomProps[4],
DomProps[5], DomProps[9],
                                DomProps[12], DomProps[15], 3)
    returning_values :FieldType;
    DomType = FieldType;
```

```
-- Character Set
if ((DomProps[6] in (14, 37, 261)) and (DomProps[16] is not null)) then
    DomType = DomType || ' CHARACTER SET ' || ibec_trim(DomProps[16]) ||
ibec_Chr(13) || ibec_Chr(10);

-- Default Value
if ((DomProps[3] is not null) and (DomProps[3] <> '')) then
    DomType = DomType || ibec_trim(DomProps[3]) || ibec_Chr(13) ||
ibec_Chr(10);

-- NOT NULL flag
if (DomProps[11] is not null) then
    DomType = DomType || 'NOT NULL' || ibec_Chr(13) || ibec_Chr(10);

-- Check source
if ((DomProps[1] is not null) and (DomProps[1] <> '')) then
    DomType = DomType || ibec_trim(DomProps[1]) || ibec_Chr(13) ||
ibec_Chr(10);

-- Collate
if ((DomProps[17] is not null) and (DomProps[17] <> '')) then
    DomType = DomType || 'COLLATE ' || ibec_trim(DomProps[17]) ||
ibec_Chr(13) || ibec_Chr(10);

    DomType = ibec_Chr(13) || ibec_Chr(10) || ibec_Trim(DomType) || ';' ;
    ibec_progress('Writing domain ' || DomName);
    ibec_fs_Writeln(FS, 'CREATE DOMAIN ' || ibec_Trim(DomProps[0]) ||
DomType);
    ibec_fs_Writeln(FS, '');
end

if (FileStrm is null) then
    ibec_fs_CloseFile(FS);
end
```

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