

## SELECT based on FNMS VIEW SoftwareTitleInstallerEvidenceLinkInfo

LEFT Joins and WHERE Condition marked in green have been added

```
SELECT
    st.SoftwareTitleID,
    ie.InstallerEvidenceID,
    st.SoftwareTitleTypeID,
    st.FullName AS SoftwareTitleName,
    ISNULL(stv.VersionName, '') AS SoftwareTitleVersion,
    ISNULL(stp.PublisherName, '') AS Publisher,
    stpr.ProductName, ste.EditionName,
    st.IsSharableToLibrary,
    stie.IsLocal AS IsLocalLink,
    ~oms.AutoUpdate AS IsLocalSoftwareTitle
FROM dbo.InstallerEvidence ie
LEFT JOIN dbo.SoftwareTitleInstallerEvidence stie
ON stie.InstallerEvidenceID = ie.InstallerEvidenceID
LEFT JOIN dbo.SoftwareTitle st ON st.SoftwareTitleID = stie.SoftwareTitleID
LEFT JOIN dbo.OperatorManageState oms ON oms.OperatorManageStateID = st.OperatorManageStateID
LEFT JOIN dbo.SoftwareTitleProduct stpr
    on stpr.SoftwareTitleProductID = st.SoftwareTitleProductID
LEFT OUTER JOIN dbo.SoftwareTitleVersion stv
    on stv.SoftwareTitleVersionID = st.SoftwareTitleVersionID
LEFT OUTER JOIN dbo.SoftwareTitlePublisher stp
    on stp.SoftwareTitlePublisherID = stpr.SoftwareTitlePublisherID
LEFT OUTER JOIN dbo.SoftwareTitleEdition ste
    on ste.SoftwareTitleEditionID = st.SoftwareTitleEditionID

WHERE st.SoftwareTitleID IS NULL
```

-> 199,223 of 1,112,119 Installer Evidences (17.9 %) are not linked to any application!

## SELECT based on VIEW SoftwareTitleFileEvidenceLinkInfo

LEFT Joins and WHERE Condition marked in green have been added

```
SELECT
    st.SoftwareTitleID,
    fe.FileEvidenceID,
    st.SoftwareTitleTypeID,
    st.FullName AS SoftwareTitleName,
    ISNULL(stv.VersionName, '') AS SoftwareTitleVersion,
    ISNULL(stp.PublisherName, '') AS Publisher,
    stpr.ProductName, ste.EditionName,
    stfe.EvidenceExistenceRuleID,
    st.IsSharableToLibrary,
    stfe.IsLocal AS IsLocalLink,
    ~oms.AutoUpdate AS IsLocalSoftwareTitle
FROM dbo.FileEvidence fe
LEFT JOIN dbo.SoftwareTitleFileEvidence stfe ON stfe.FileEvidenceID = fe.FileEvidenceID
LEFT JOIN dbo.SoftwareTitle st ON st.SoftwareTitleID = stfe.SoftwareTitleID
LEFT JOIN dbo.OperatorManageState oms ON oms.OperatorManageStateID = st.OperatorManageStateID
LEFT JOIN dbo.SoftwareTitleProduct stpr
    on stpr.SoftwareTitleProductID = st.SoftwareTitleProductID
LEFT LEFT OUTER JOIN dbo.SoftwareTitleVersion stv
    on stv.SoftwareTitleVersionID = st.SoftwareTitleVersionID
LEFT LEFT OUTER JOIN dbo.SoftwareTitlePublisher stp
    on stp.SoftwareTitlePublisherID = stpr.SoftwareTitlePublisherID
LEFT LEFT OUTER JOIN dbo.SoftwareTitleEdition ste
    on ste.SoftwareTitleEditionID = st.SoftwareTitleEditionID

WHERE st.SoftwareTitleID IS NULL
```

-> 378,339 of 1.138,834 File Evidences (33.2 %) are not linked to any application!