**Base Metrics Which are already Provided: -**

* **Data Complete**
  + **Record Filter: -**

App/ Tech nature = [XOApp, App, XO Platf, Platf] AND Lifecycle status != Decommissioned !=not\_used

* + **Formulae Condition: -**

1. Owning Organization (gap if blank or multiple value or value not in list of valid applications (ITAM hierarchy database view; show comma separated list if more than one is connected as Owning Organization; if a gap show Owning Organization in Missing Data column)

2. Life Cycle Status (gap if Undecided or blank; if Undecided or blank show “Life Cycle Status” in Missing Data column)

3. Application Description (gap if blank; if blank show Application Description in Missing Data column)

4. Data Classification (gap if blank; if blank show Data Classification in Missing Data Column)

5. Sox Classification (gap if blank; if blank show Sox Classification in Missing Data column)

6. Data Privacy (gap if blank with exception: blank is not gap if blank and Hosting = No Cloud: Locally Installed (Desktop) or No Cloud: Locally Installed (Mobile); also not a gap is nature is XOPlatform or Platform; not a gap if status is discovery; if a gap show Data Privacy in Missing Data column)

7. Regulated System (gap if blank with exception; blank is not a gap if status is Discovery; if blank show Regulated System in Missing Data column)

8. BIA Score for Confidentiality (gap if blank or Not Performed with exception: if status is discovery then blank or not performed is not a gap; if gap show BIA Rating for Confidentiality in Missing Data column)

9. BIA Score for Integrity (gap if blank or Not Performed with exception: if status is discovery then blank or not performed is not a gap; if gap show BIA Rating for Integrity in Missing Data column)

10. BIA Score for Availability (gap if blank or Not Performed with exception: if status is discovery then blank or not performed is not a gap; if gap show BIA Rating for Availability in Missing Data column)

11. Hosting (gap if blank or None with exception: if status is discovery then blank or None is not a gap; if gap show; if blank show Hosting in Missing Data column)

12. Vendor Software Supplier (gap if blank, add as comma separated list if more than one; if gap show Vendor Software Supplier in Missing Data column)

13. Instance (gap if blank with exceptions; not a gap if Hosting contain SaaS or PaaS or No cloud: Locally Installed (Desktop) or No Cloud: Locally Installed (Mobile) or if Life Cycle Status is not Discovery/Requ. Or Design/Build comma separated list if more than one Instance; if it is a gap show Instance in Missing Data column)

14.Application/Technology Nature

15.Application Name

* + **Value Output: -**

Up to 15 Data Points are collected for each application; if a data point is a gap (failed the condition, it reduces the score by 1/15 which is 6,66666%)

* **Data Correct**
  + **Record Filter: -**

App/ Tech nature = [XOApp, App, XO Platf, Platf] AND Lifecycle status != Decommissioned !=not\_used

* + **Formulae Condition : -**

Application owner is valid (SNOW flag)

* + **Value Output: -**

0%in case the condition fails

100% in case condition passes

* **Data Current**
  + Record Filter: -

App/ Tech nature = [XOApp, App, XO Platf, Platf] AND Lifecycle status != Decommissioned !=not\_used

* + **Formulae: -**

|  |  |  |  |
| --- | --- | --- | --- |
| **create date** | **last reviewed date** | **what to write to Gap column** | **score in % current** |
| not older 12 months | older than 12 months | not a gap – show neither Last Reviewed nor Create Date in Gap column | 100 |
| not older 12 months | not older 12 months | not a gap – show neither Last Reviewed nor Create Date in Gap column | 100 |
| not older 12 months | blank | not a gap – show neither Last Reviewed nor Create Date in Gap column | 100 |
| older than 12 months | older than 12 months | is a gap – show in Gap column: Last Reviewed date | 0 |
| older than 12 months | blank | is a gap – show in Gap column: Last Reviewed date | 0 |
| older than 12 months | not older 12 months | not a gap – show neither Last Reviewed nor Create Date in Gap column | 100 |

* + **Value Output: -** Defined in the table
* **Overall Registration Score**
  + **Record Filter: -**

App/ Tech nature = [XOApp, App, XO Platf, Platf] AND Lifecycle status != Decommissioned !=not\_used

* + **Formulae: -**

= (1/3\*Registration Completeness score) + (1/3\*Currentness score) + (1/3\*Data Ownership score)

* + **Value Output: -** % value
* **Enterprise Architecture Data Complete**
  + **Record Filter: -**

App/ Tech nature = [XOApp, App, XO Platf, Platf] AND Lifecycle status != Decommissioned !=not\_used

* + **Formulae Condition: -**

1. Business Process (not blank, if blank show Business Process in column Enterprise Architecture Data Complete, if more than one Business Process is assigned show a comma separated list)

2. Standard (not blank)

3. License (not blank)

4. Lead Solution Architect (not blank, if blank show Lead Solution Architect in column Enterprise Architecture Data Complete, if more than one Solution Architect is assigned show a comma separated list)

* + **Value Output: -**

Every Condition parameter Not Blank will give the value as 25%. So every condition is accounted for 25% value. So if 3 condition met it is 75% and if all 4 met then 100%

* **Legal Validation Data Complete**
  + **Record Filter: -**

App/ Tech nature = [XOApp, App, XO Platf, Platf] AND Lifecycle status != Decommissioned !=not\_used

* + **Formulae Condition: -**

1.RAMP Date (not blank, if blank show RAMP Date in Missing Data column)

2.RAMP Location (not blank, if blank show RAMP Location in Missing Data column)

3.Commissionning Memo Date Approved (not blank) if blank show Commissionning Memo Date Approved in missing data column)

4.Commissionning Memo Document Link (not blank, if blank show Commissionning Memo Document Link in missing data column)

* + **Value Output: -**

Every Condition parameter Not Blank will give the value as 25%. So every condition is accounted for 25% value. So if 3 condition met it is 75% and if all 4 met then 100%

* **IT Risk Assessment Completeness**
  + **Record Filter: -**

App/ Tech nature = [XOApp, App, XO Platf, Platf] AND and Regulated System=Yes AND Lifecycle status != Decommissioned !=not\_used

* + **Formulae Condition: -**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Conditions** |  |  |  |  | **Score** |
| **BIA Confidentiality** | **BIA Integrity** | **BIA Availability** | **iRisk date** | **Lifecycle Status** |  |
| any | any | any | not blank | any | 100% |
| any | any | any | blank | Discovery OR Decommissioned OR not\_used OR Retired | blank |
| blank | any | any | blank | NOT Discovery OR Decommissioned OR not\_used OR Retired | 0% |
| any | blank | any | blank | NOT Discovery OR Decommissioned OR not\_used OR Retired | 0% |
| any | any | blank | blank | NOT Discovery OR Decommissioned OR not\_used OR Retired | 0% |
| High or very high | any | any | blank | NOT Discovery OR Decommissioned OR not\_used OR Retired | 0% |
| any | High or very high | any | blank | NOT Discovery OR Decommissioned OR not\_used OR Retired | 0% |
| any | any | High or very high | blank | NOT Discovery OR Decommissioned OR not\_used OR Retired | 0% |

* + **Value Output: -** As defined in the table.

**Attributes List to be Added (for Numerify Analysis): -**

* Registration Compliant: -
  + LoV Values: - Compliant and Non-compliant
  + LoV Mapping Level: - Should be mapped at each application record
  + LoV mapped condition: -
    - Compliant: - If Overall Registration Compliance Score is 100%
    - Non-Compliant: - If Overall Registration Compliance Score is less than 100%
* Data Completeness: -
  + LoV Values: - Yes and No
  + LoV Mapping Level: - Should be mapped at each application record
  + LoV mapped condition: -
    - Compliant: - If Data Completeness Score is 100%
    - Non-Compliant: - If Data Completeness Score is less than 100%
* Data Correctness: -
  + LoV Values: - Yes and No
  + LoV Mapping Level: - Should be mapped at each application record
  + LoV mapped condition: -
    - Compliant: - If Data Correctness Score is 100%
    - Non-Compliant: - If Data Correctness Score is less than 100%
* Data Currentness
  + LoV Values: - Yes and No
  + LoV Mapping Level: - Should be mapped at each application record
  + LoV mapped condition: -
    - Compliant: - If Data Currentness Score is 100%
    - Non-Compliant: - If Data Currentness Score is less than 100%
* EA Compliant: -
  + LoV Values: - Compliant and Non-compliant
  + LoV Mapping Level: - Should be mapped at each application record
  + LoV mapped condition: -
    - Compliant: - If Enterprise Architecture Data Complete is 100%
    - Non-Compliant: - If Enterprise Architecture Data Complete is less than 100%
* LV Compliant: -
  + LoV Values: - Compliant and Non-compliant
  + LoV Mapping Level: - Should be mapped at each application record
  + LoV mapped condition: -
    - Compliant: - If Legal Validation Data Complete is 100%
    - Non-Compliant: - If Legal Validation Data Complete is less than 100%
* iRisk Compliant: -
  + LoV Values: - Yes and No
  + LoV Mapping Level: - Should be mapped at each application record
  + LoV mapped condition: -
    - Compliant: - If IT Risk Assessment Completeness is 100%
    - Non-Compliant: - If IT Risk Assessment Completeness is less than 100%

**Derived Metrics List for Application Governance**: -

* Total Applications = Count of all applications
* No. of Registration Compliant Applications = Count of applications where “Overall Registration Scope” value is 100%
* No. of Registration Non-Compliant Applications = Total Application – No. of Registration Compliant Applications
* % Registration Compliance = (No. of Registration Compliant Application / Total Applications) \* 100
* No. of Data Complete Applications = Count of applications where “Data Complete” value is 100%
* No. of No Data Complete Applications = Total Application – No. of Data Complete Applications
* % Data Complete = (No. of Data Complete Application / Total Applications) \* 100
* No. of Data Current Applications = Count of applications where “Data Current” value is 100%
* No. of No Data Current Applications = Total Application – No. of Data Current Applications
* % Data Current = (No. of Data Current Application / Total Applications) \* 100
* No. of Data Correct Applications = Count of applications where “Data Correct” value is 100%
* No. of No Data Correct Applications = Total Application – No. of Data Correct Applications
* % Data Correct = (No. of Data Correct Application / Total Applications) \* 100
* No. of IT Risk Assessment Completeness Applications = Count of applications where “IT Risk Assessment Completeness” value is 100%
* No. of IT Risk Assessment Non-Completeness Applications = Total Application – No. of IT Risk Assessment Completeness Applications
* % Risk Completeness = (No. of IT Risk Assessment completeness Applications / Total Application) \*100
* No. of EA Compliant Applications = Count of applications where “Enterprise Architecture Data Complete” value is 100%
* No. of EA Non-Compliant Applications = Total Application – No. of EA Compliant Applications
* % Of EA Compliance = (No. of EA Compliant Applications / Total Application) \*100
* No. of LV Compliant Applications = Count of applications where “Legal Validation Data Complete” value is 100%
* No. of LV Non-Compliant Applications = Total Application – No. of LV Compliant Applications
* % of LV Compliance = (No. of LV Data Compliant Applications /Total Application) \*100
* Total Outages in Registration Compliance = It is count of application with Value as Blank/No for each attribute out of 15 attributes in Registration Compliance Condition