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| General | Validate missing values if there are any. | | |
| | Fields that cannot have missing values: vendor, url, series, category, model, path. | | |
| | If there are missing values in any of mandatory fields, check if CISCO has correct product description. | | |
| | If url is missing, try to identify the entry by other fields (model). | | |
| | If url and model fields are both missing, check if there is any download link, model is also mentioned there. | | |
| Vendor | Has to be CISCO website. | | |
| url | Has to be a link to CISCO website. | | |
| | The url is alive. | | |
| | The url corresponds the model. | | |
| Series | Series is the same series that is mentioned in the path. | | |
| | The data makes sense, has to be a CISCO product, not random symbols. | | |
| Category | Category makes sense, has to be a CISCO product, not random symbols. | | |
| | Category has to correspond the series: if it's a "Cisco 900 Series Industrial Routers", the category is "Routers". | | |
| | Category has to correspond the path: i.e. if it's "/Support/Product Support/Routers/Cisco 900 Series Industrial Routers", the category is "Routers". | | |
| Model | Validate all the values are unique. | | |
| | If there are duplicates, take a closer look: see if some fields are missing in one of the rows. | | |
| | Names of the models make sense (example: Cisco 999 Router). | | |
| | Compare model series: If the router is in series "9100" then the model is going to be "91xx", not some random number. | | |
| path | The path makes sense. | | |
| | The path is in UNIX format. | | |
| | The path has a category and series in it. | | |
| release, endofsale, endofsupport | There has to be release date. | | |
| | Relese date has to be after 1986 - first CISCO product. | | |
| | Endofsale and endofsupport dates can be missing (if the product is new or other reasons). | | |
| | If there is only one field of endofsale or endofsupport - it has to be later than release date. | | |
| | Dates have to be in order: release < endofsale < endofsupport. | | |
| Product ID | Depending on the use of the DB - we need to define if this field is relevant. | | |
| downloads | If there is description (latest, filename...) there should also be a link to download. | | |
| | Validate the download url is alive. | | |
| | There are fields like Description, Release, Release Date, File Date, Size, MD5 Checksum, SHA512 Checksum. We need to decide which are relevant. | | |
| | Probably Description, Release, Release Date, Size will be nice to have - if we want to create a timeline graph for this data. | | |
| | File Date, MD5 Checksum, SHA512 Checksum - depends on the way we use the data. | | |