# **ORACLE APPLICATIONS**

White Paper –Setup of Oracle Fusion Assets

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# Introduction

#### Goal

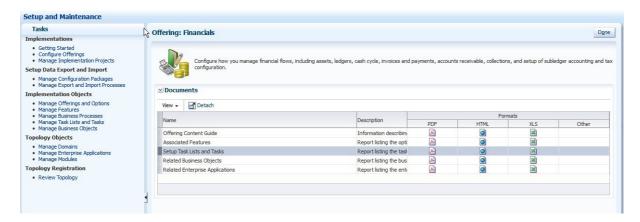
THE PURPOSE OF THIS DOCUMENT IS TO PROVIDE AN OVERVIEW on possible setup of Fusion Fixed Assets. We will discuss and explain the necessary setup steps and some of the optional steps.

We will not discuss the setup of Descriptive Flexfields or Subledger Accounting for Fusion Assets.

## **Getting Started**

## Where to start with the setup?

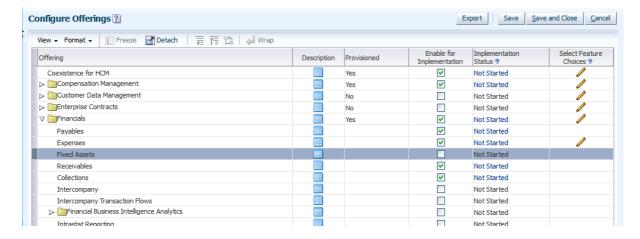
The very first step after having collected the business requirements is to design the setup before keying in anything into the system. Fusion Applications provides some assistance for the design phase in the Functional Setup Manager (FSM) on the Getting Started page.



# What are the general setup steps that need to be made in FSM?

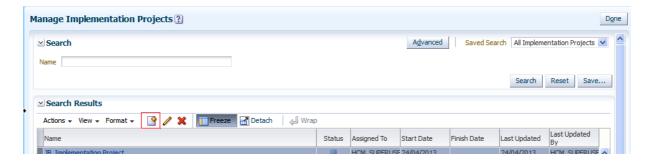
All setup tasks in Oracle Fusion Applications are performed in the Functional Setup Manager (FSM). For further information on the FSM itself, please refer to Documentation Available Related with Functional Setup Manager (FSM) (Doc ID 1335563.1) and Master Note on Functional Setup Manager (FSM) (Doc ID 1004.1).

Once the design phase is completed, the first step is to enable Fusion Assets for setup. This is done in FSM under Configure Offerings. Check the Enable for Implementation check box for Fixed Assets.

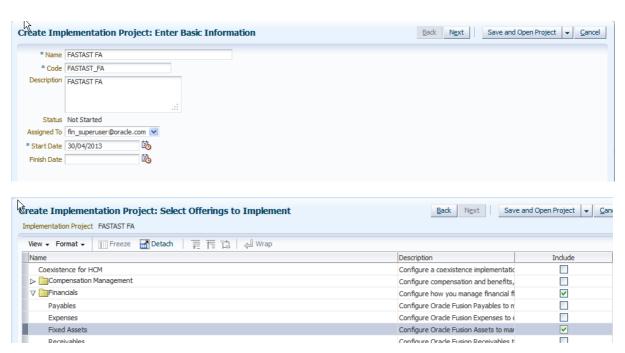


The best way to start with the setup of Fusion Assets is to create an Implementation Project either for Financials, which will then include Assets or for Assets alone via task Manage Implementation Projects. **Note**, however, that there are dependencies to other modules for some tasks, so it is best to include Financials as well.

When the implementation is enabled for Fixed Assets, we can create an Implementation Project under Manage Implementation Projects by clicking on the Create button.

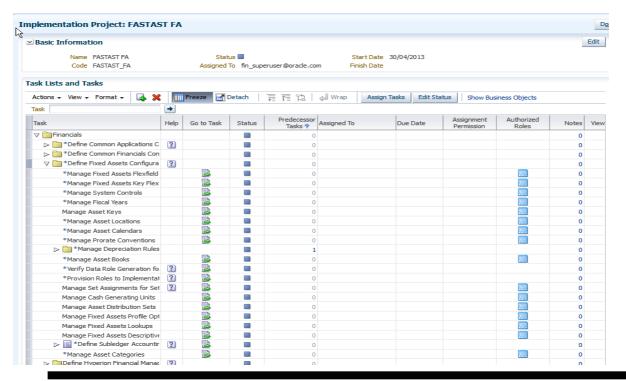


We overwrite the name with our own name and click on Next.



**Note:** Financials also needs to be included as there are some dependent tasks.

When we Save and Open the Project we will see all tasks, i.e. setup steps, listed as seen below.



## 1. Key Flexfields

## Key Flexfields in Fusion Assets

It is a **mandatory** step to set up the three key flexfields for Fusion Assets.

In Oracle Assets there are three Flexfields owned by the application: the Asset Category Flexfield, the Asset Key Flexfield, and the Location Flexfield. The Accounting Flexfield is used to transfer the journal entries created from the transactions in Oracle Assets to the General Ledger and has been set up with Oracle General Ledger.

**Note:** One can only have one structure for each of the three key flexfields in Assets. So this structure has to be designed in such a manner as to fulfill all requirements for all asset books to be created.

## Asset Category Flexfield

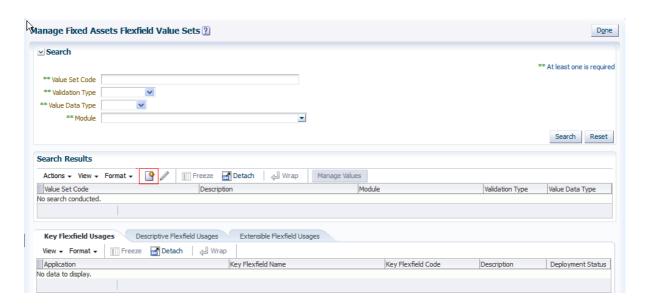
This flexfield is the main flexfield in Oracle Assets. It should be set up in such a fashion as to allow the necessary reporting on Assets. After the Asset Category Flexfield (and the depreciation book) has been set up the asset categories can be set up. Default lives, depreciation method, prorate convention, and the cost/reserve accounts are defined per major/minor category combination.

The most common setup of the Asset Category Flexfield is as follows:

**MAJOR CATEGORY:** based on the asset cost account and/or another important classification to the business. The value set can have maximum 29 Characters as otherwise no dependent segment can be attached.

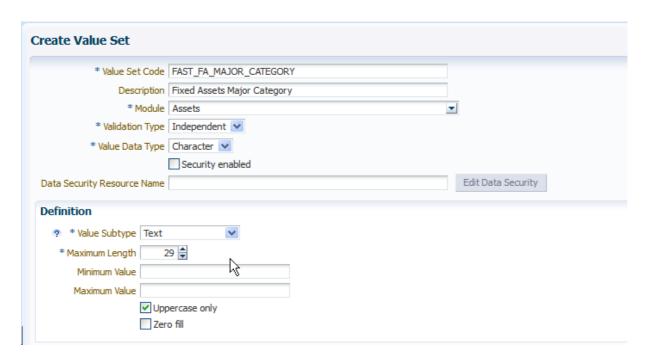
**MINOR CATEGORY:** (dependent on the Major Category): based on the different depreciation methods/lives for the major category.

As with any flexfield we start by setting up the value set, which is the first task in our implementation project. Go to task Manage Fixed Assets Flexfield Value Sets and click on the Create button.

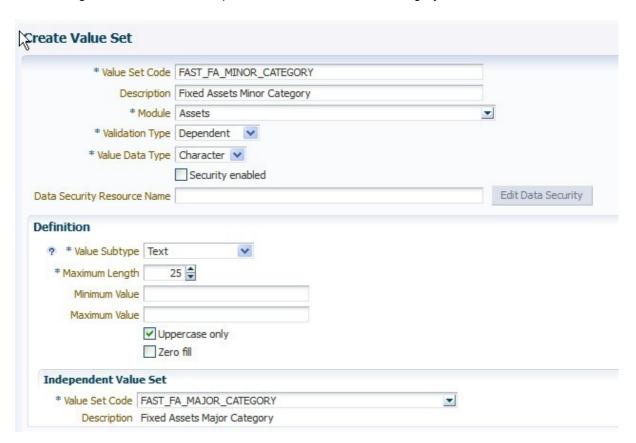


This takes us to the Create Value Set page. We give the value set a meaningful name and description. The Major category will be an independent segment, but as we plan to attach a dependent segment to it, the size of the independent segment cannot be greater than 30 and to avoid upper-/lowercase mistakes, we stick with uppercase only.

As we do not plan to restrict the use of the category flexfield, we will not define data security.

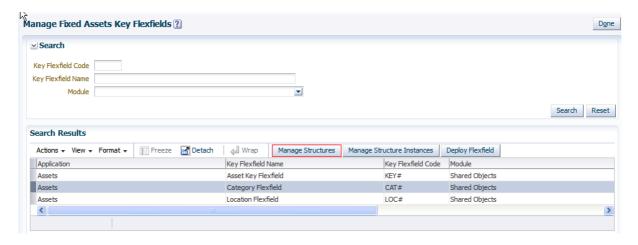


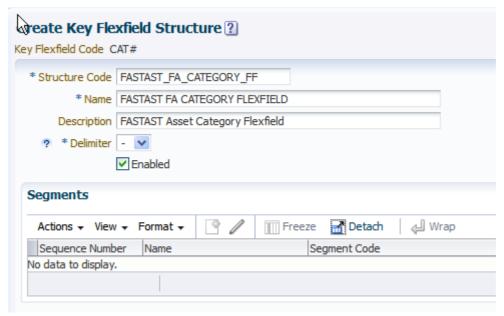
After saving the value set, we set up the next one for the minor category.



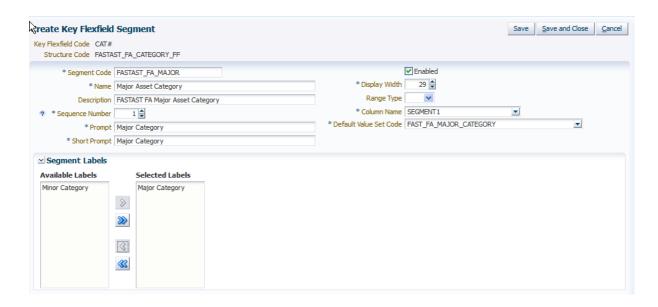
As the validation type is dependent, we will also have to pick the independent value set. Ad our values will be again in text format, there is no need for us to define a minimum or maximum value.

Now we can move on to define our Category Flexfield via the task Manage Fixed Assets Key Flexfields. When we do a blind search on the page we will see all three key flexfields. Place the cursor on the category flexfield and click the Manage Structures button.





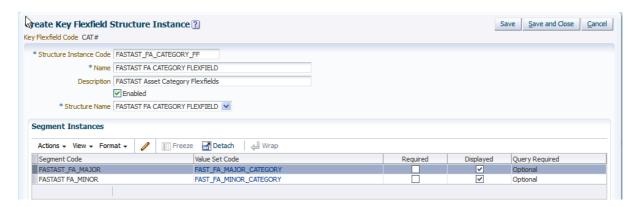
We name our structure code with the same logic as used before, we enter a name and – very **important** – a **description**. When we pick our flexfield structures later in the System Controls page the description will be visible in the drop-down list. We determine a delimiter by which the flexfield segments will be separated. The Create button is grayed out until we save and only after saving the structure can we add segments.



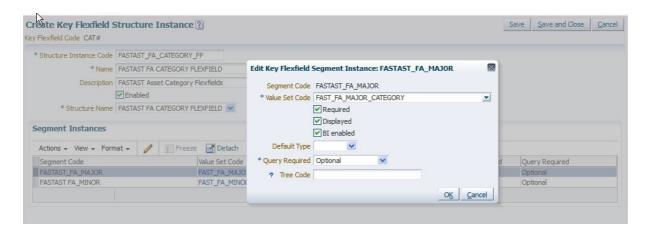
We enter the segment code, name and description, define the display width. The Sequence Number determines the order of display of the segments. We pick the column name and our value set, define the prompts and finally select the label Major Category to qualify this segment as the major asset category. We then repeat the same for the minor asset category segment.



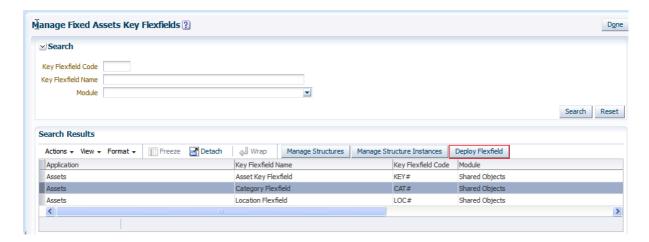
Click on Save and Close twice to return to the Manage Key Assets Flexfields page. Now we click on the Manage Structure Instances button.

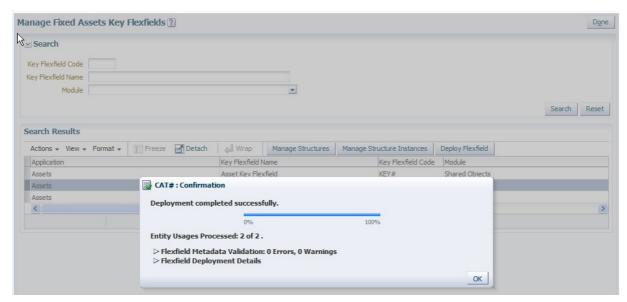


Again we stick to our naming convention and when we pick the Structure Name that we have just created, the two segments defined before appear and we can now edit them via the pencil button to make the segments required.

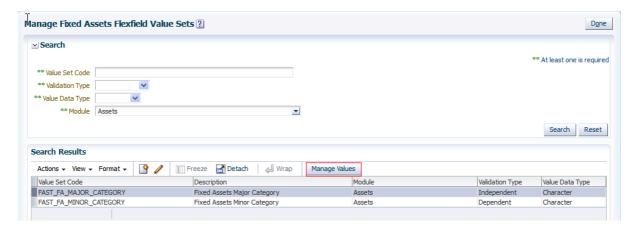


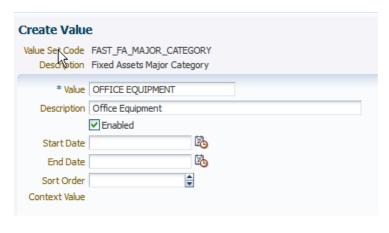
Once both are edited we can click on Save and Close and then on Done to return to the Manage Key Assets Flexfields page. The last step to be performed here is to deploy the flexfield.

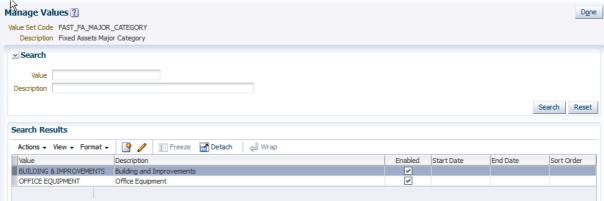




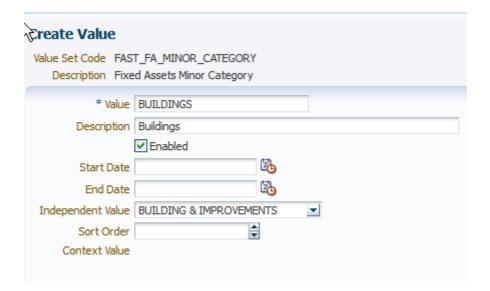
We are now going back to our value sets and define the segment values:





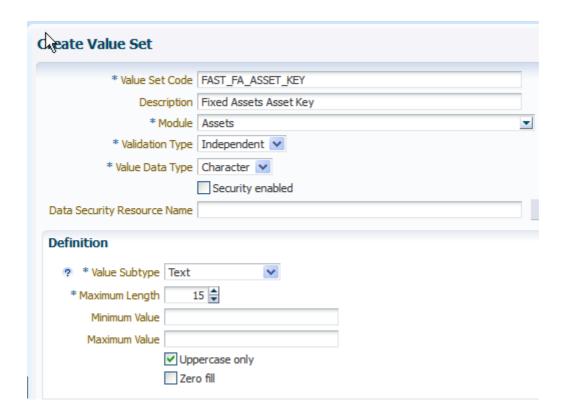


For the dependent minor category values, the value from the major category needs to be chosen.

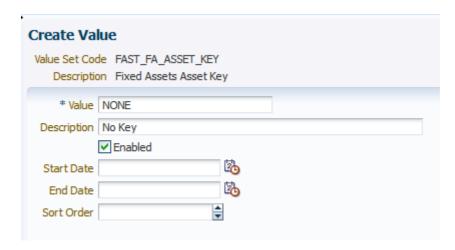


### Asset Key Flexfield

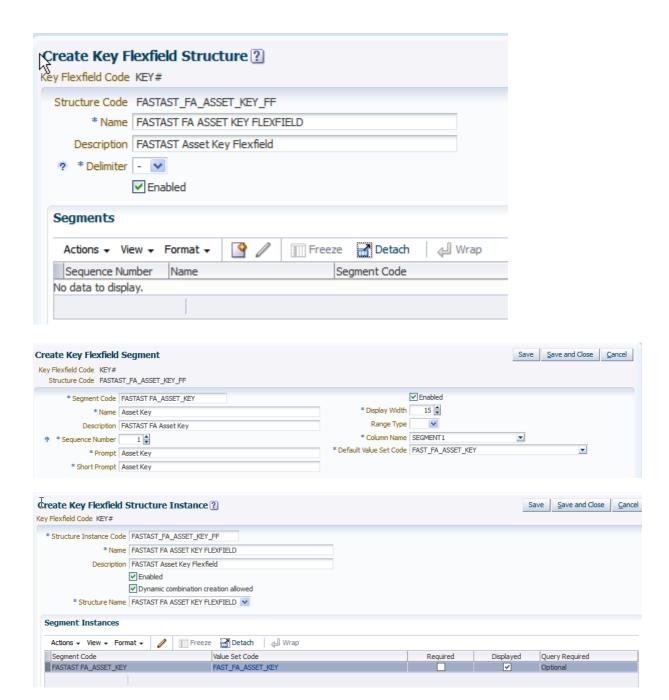
The Asset Key Flexfield has no financial or reporting impact. It can be used to group assets differently than via the Asset Category Flexfield. The Asset Key Flexfield is intended for display only as there is no standard report sorting by asset key and not many reports do display the asset key. One option for setup could be to use key distinguishing active, retired, and fully reserved assets. Another option would be to display project numbers. Or one could use the cost center for online queries on assets belonging to a cost center. In this case, please note that an asset has only one asset key, but it could be assigned to multiple cost centers.



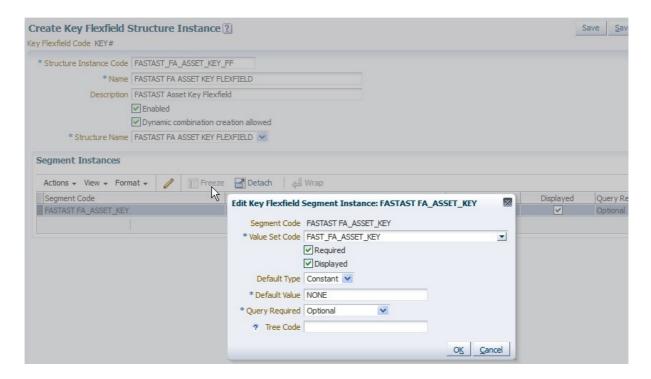
We can also enter values for the value set before creating the flexfield structure.



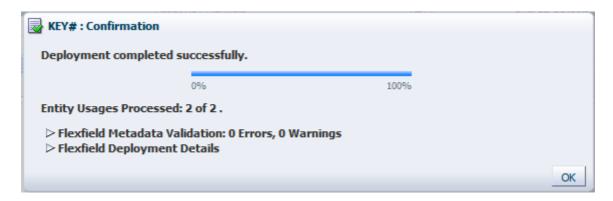
We will set up a one-segment structure for the Asset Key Flexfield with a default value for that segment.



We now edit the structure to make the segment required and give a constant default value of NONE.



And then we deploy the Asset Key Flexfield.



### Location Flexfield

The Location Flexfield specifies the physical location of an asset.

Example:

Cost Center - Building - Room 1003-15-104

or

Inventory - Aisle - Board Manchester-A14-H12

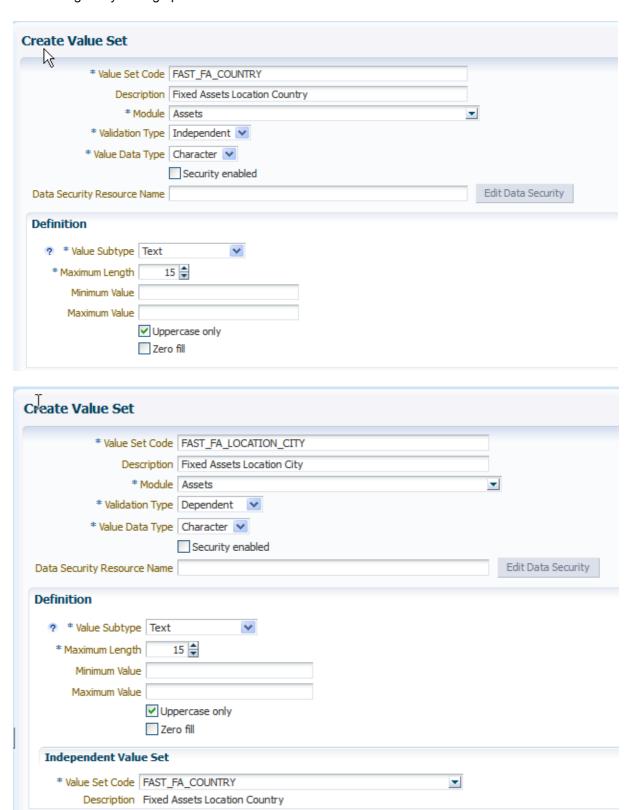
or

Cost Center

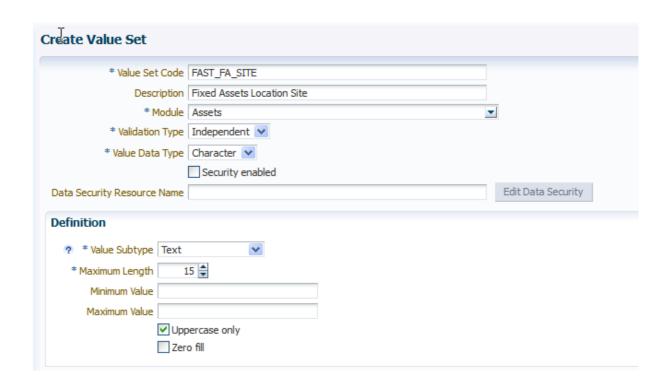
111

Even though one could use up to 30 segments - like with any other key flexfield - it has proven to be too maintenance-intensive to have a Location Flexfield with more than 3 segments.

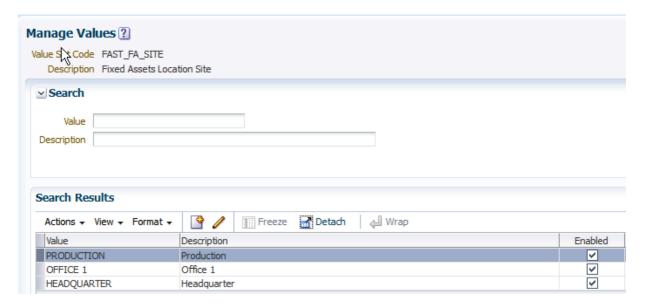
We start again by setting up our value sets.



**Note:** We could have made the city dependent on the country or the site dependent on the city, but not both as cascading dependencies are not possible. Here we opted for a dependency between country and city values sets and an independent site. We can setup and use cross validation rules and/or the flexfield shorthand alias at a later stage.



And we set up values for our location value sets.

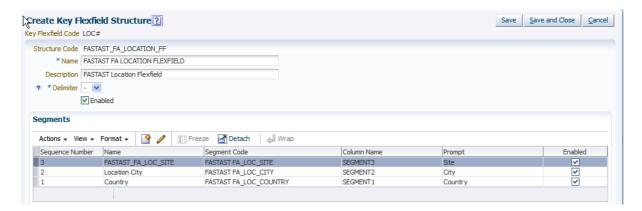


Now we start to set up the flexfield structure.

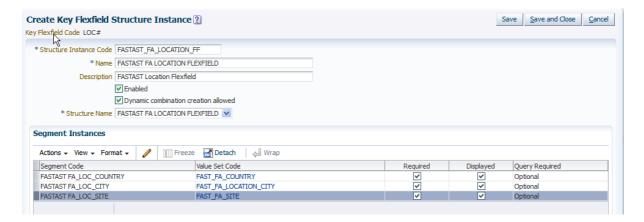
The Location Flexfield has the State label, but as we do not have state as a segment in our flexfield, we use the country to attach the state label. The Property Tax Report requires this label to be set up for the location flexfield. The Property Tax Report will sort the data by state segment. In order to use this functionality, you must define which segment in the location flexfield is the state.

**Note:** The State label CANNOT be attached to a dependent segment as the master segment cannot be picked up in this case. This is why we cannot use city to attach the state label here as city is dependent on country.

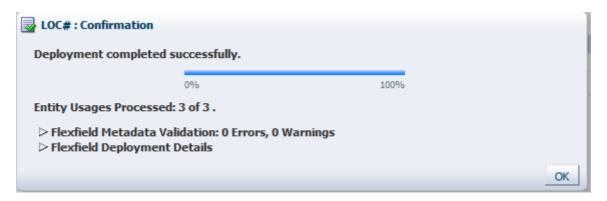




Once we have created the structure, we define the structure instance and make all three segments required.



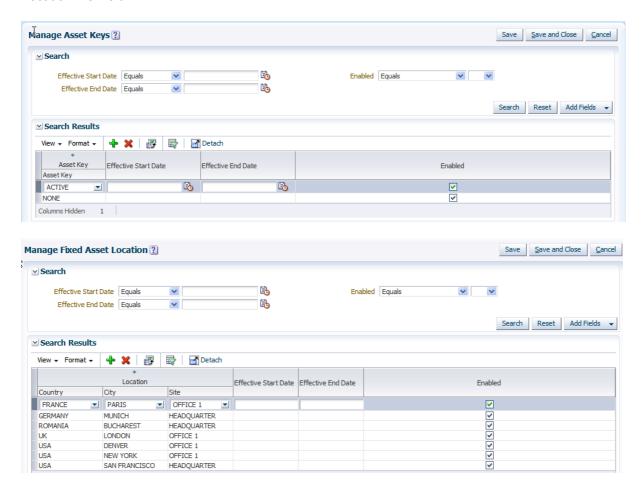
And then we deploy the Location Flexfield.



# 2. Manage Asset Keys and Locations

It is an **optional** step to set up the asset key and location combinations if 'Dynamic combination creation allowed' is checked for these two flexfield for Fusion Assets.

When creating the flexfield structure instances, on has the option to check the check box 'Dynamic combination creation allowed' or to leave it unchecked. This will allow end users to enter values at runtime that produce new code combinations for the flexfield. If not enabled, new valid combinations can only be entered using the combinations table for the flexfield. So, if the check box is left unchecked then the allowed combinations have to be entered for the Asset Key Flexfield and the Location Flexfield.



# 3. System Controls

It is a **mandatory** step to set up the System Controls for Fusion Assets.

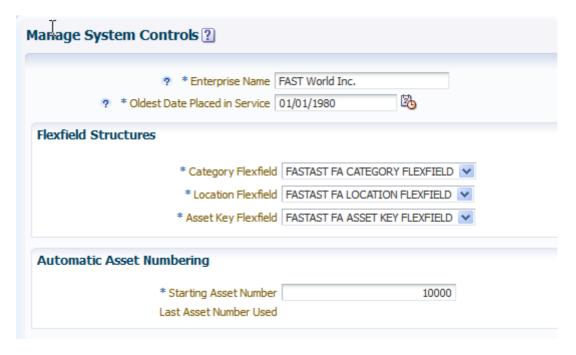
In the System Controls page the following parameters are defined:

**Enterprise Name:** The company name entered here will appear on all report output. **Oldest date-placed in Service:** means that no asset can have an older date-placed-in-service (DPIS) than what has been defined here. This field is **not updateable** once a date has been saved. Thus one needs to determine carefully what date to choose. If one only has assets less than 10 years old it may be wise to date it back further as one may have to the need to include older assets in the future in case of a merger.

Then the **Flexfield Structures** defined before are chosen. They are valid for the whole application. **Note:** One cannot choose a structure per depreciation book.

The **Starting Asset Number** for the automatic numbering scheme must be chosen.

**Note:** The system controls parameters are system-wide settings. It is **not** possible to associate different settings like asset numbering or enterprise name to different asset books/ organizations.



The Starting Asset Number should use a value that is sufficiently big for automatic numbering use. Please be aware that the asset number is an alphanumeric field so the listing would be like:

1

10

100

1000

Take the number of assets that you have/want to convert and start with the next highest potential. Example given:

You have 6400 assets, then start with asset number 10000.

Assets Numbering works in the following way:

1.	Once asset	e asset numbering is implemented t numbering start point through th	I in the System Options, is page.	s, then there is no way of amending t	he

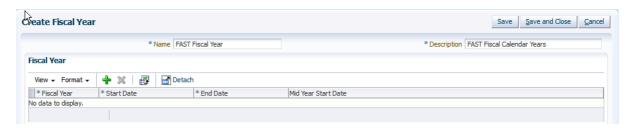
- 2. If you leave the asset number field blank while adding an asset and then save, Assets will automatically generate the asset number for you. If you need to use some other numbering convention, then simply populate the asset number field (this could be alphanumeric).
- 3. Whenever Assets generates a number for you automatically, the asset\_number will be equal to the asset\_id, ie: the last sequence number generated. This will be displayed back to you in the System Options as the last number used.
- 4. When implementing Assets, set the Starting number to the required value, sequence FA\_ADDITIONS\_S will be automatically created to start from this number. FA\_ADDITIONS\_S is used to generate the asset\_id whether you manually input an asset number or not, in either of the additions forms.
- 5. It therefore follows that even though your Starting Number is 'x', if you add two assets manually numbering the first, and leaving the second asset's number field blank, the manually numbered asset\_id would be x+1 whilst the asset\_id for the second asset would be x+2.

## 4. Fiscal Years

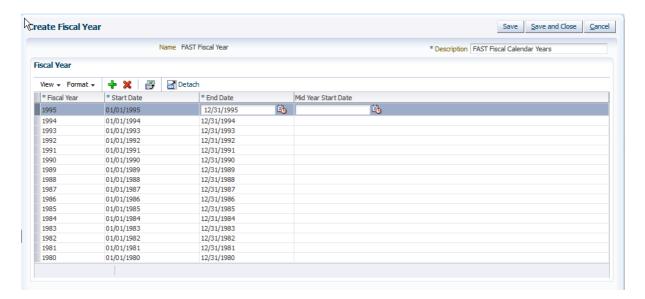
It is a **mandatory** step to set up a Fiscal Year for Fusion Assets.

Oracle Fusion Assets has its own calendar as we need to be able to date back as far as the oldest date placed in service (DPIS). But before we define the calendar(s) we determine the range of the fiscal years. We define the beginning and end of each fiscal year. The fiscal year groups the accounting periods. If using a 4-4-5 calendar, the start and end dates change every year. Create fiscal years from the oldest date placed in service (DPIS) through at least one fiscal year beyond the current fiscal year. **Note:** Depreciation will fail if the current fiscal year is the last fiscal year.

We give the Fiscal Year a name and a description and then click on the green plus button to add the start and end dates for the years.



If not using a 4-4-5 calendar with changing start and end dates, one needs to enter the first line and can then click on the green plus button and the rows are auto-filled as the system understands the logic. The Mid Year Start Date is used for a Depreciable Basis Rule to support the depreciation requirements of the Half Year Rule in India. Whether one chooses to enter the Mid Year Start Date or not, it has no bearing at all if not using the 'Year End Balance with Half Year Rule' Depreciable Basis Rule.



## 5. Prorate and Depreciation Calendars

It is a **mandatory** step to set up at least one calendar to be used as Depreciation and Prorate Calendar for Fusion Assets.

Calendars break down the fiscal year into accounting periods. One can set up as many calendars as needed. Each asset depreciation book requires a depreciation calendar and a prorate calendar.

The depreciation calendar determines the number of accounting periods in a fiscal year, and the prorate calendar determines the number of prorate periods in the fiscal year.

The Prorate calendar determines what rate Oracle Assets uses to calculate annual depreciation by mapping each date to a prorate period, which corresponds to a set of rates in the rate table.

One can use one calendar for multiple depreciation books, and as both the depreciation and prorate calendar for a book. Corporate books can share the same calendar. A tax book can have a different calendar than its associated corporate book.

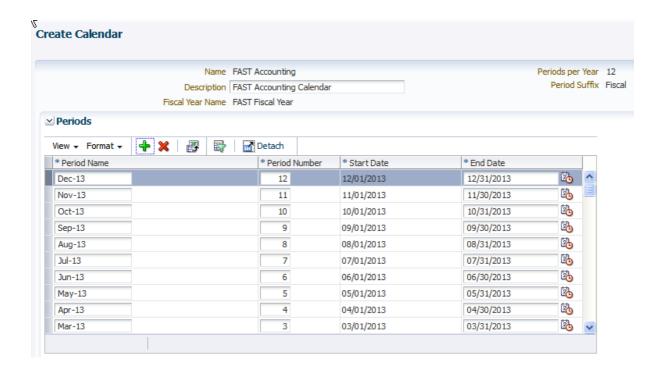
For example, you might set up a monthly calendar for financial reporting and a quarterly calendar for tax reporting.

**Note:** The calendar for the tax book must use the same fiscal year name as the calendar for the associated corporate book.

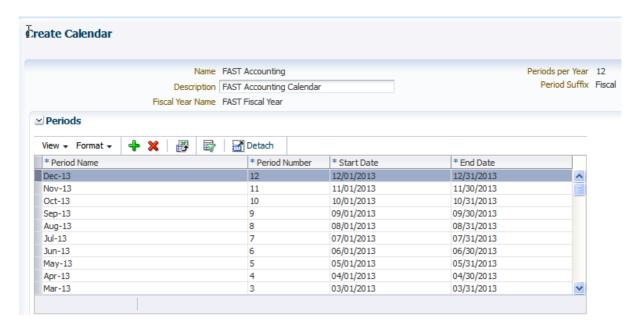
The depreciation program uses the prorate calendar to determine the prorate period which is used to choose the depreciation rate. The depreciation program uses the depreciation calendar and divide depreciation flag to determine what fraction of the annual depreciation expense to take each period.

For example, if you have a monthly depreciation calendar, Oracle Assets calculates 1/12 th of the annual depreciation each time you run the depreciation.

One must set up all calendars from the period corresponding to the oldest date placed in service to the current period. At the end of each fiscal year, Oracle Assets automatically sets up the periods for the next fiscal year. If using a 4-4-5 calendar, it is wise to set up the calendar periods manually first as the system may not follow the logic of that calendar correctly.



In the period suffix box, select Fiscal or Calendar to append the accounting period name. For example, if the fiscal year runs from June 1 to May 31 and the current date is July 15, 2013, the calendar year is 2013 and the fiscal year is 2014. If you specify FISCAL, the period name is JUL-14. If you specify CALENDAR, the period name is JUL-13. In our case the fiscal year is set up from January1st to December 31<sup>st</sup> so the period suffix is the same whether it is FISCAL or CALENDAR. Choose the periods per year, 365 for a daily prorate calendar and pick the Fiscal Year. Then click on the green plus button to add the periods starting from the oldest date placed in service.



While defining the periods in a fiscal year make sure to define all periods without any gaps in that fiscal year. Make sure that the leap year February 29<sup>th</sup> is included in the calendar. If setting up a 365 period daily prorate calendar, two days need to be merged in a leap year to sum to a total of 365 days.

Once the periods are saved, the only way to correct them is to delete them from the most recent backwards via the red cross button and then set up from the one to be corrected again. **Note:** if the period to be corrected is already open in the depreciation book, then it cannot be corrected in the calendar as one can delete periods as far back as up to the current open period in a depreciation book.

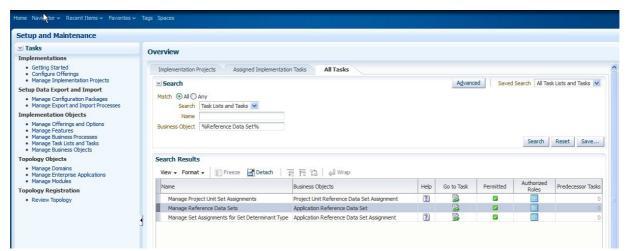
## 6. Reference Data Set

It is an **optional** step to set up a Reference Data Set for Fusion Assets.

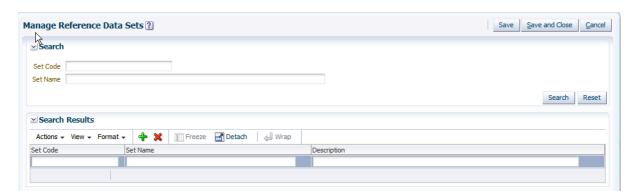
Reference Data Set also known as Set Id provides customers the ability to create their own reference data set(s) based on their business requirements to divide and thus secure data. The Reference data set/Set Id defines a subset of a master list of business objects. It can be shared across the applications or organizations Example of reference data are payment terms, work types, expense types, job codes etc. Customers have option to choose on how to partition the reference data. Mostly it will be done by business units or project units. However it can be country specific (US or UK) or particular area specific like north-east, south-west etc.

In Fusion Assets one would use a Reference Data Set to allow prorate convention(s) and/or depreciation methods and/or only to be used in specific asset book(s). **Note:** The seeded setup data like depreciation methods exists with the seeded Reference Data Set Common. So, if using your own Reference Data Set then methods like STL, etc. would have to be set up also for the new Reference Data Set. **Note:** Reference Data Sets in Fusion Assets provide only a separation for the above mentioned setup date and not any transaction data.

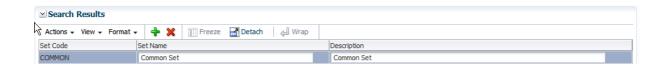
As Reference Data Sets are not only for Fusion Assets, the page is not included in the task list for Define Fixed Assets Configuration. We can search for the page from the Overview page:



One needs to enter a Set Code, a Set Name, and a Description for the Reference Data Set and Save.



This is, for example, the seeded Common Set:



## 7. Prorate Conventions

It is a **mandatory** step to set up Prorate Conventions for Fusion Assets.

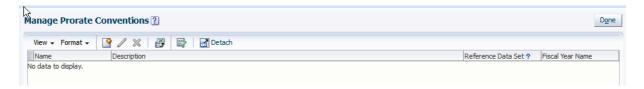
The Prorate Convention (and retirement convention) determines how much depreciation to take in the first and last year of an asset's life based on when you place the asset in service. The prorate convention as a retirement convention determines whether and how much depreciation is to be taken in the period of retirement. All prorate conventions have to be set up from the convention period corresponding to the oldest date placed in service through to at least the end of the current fiscal year.

Give the convention a Name and a Description and pick the Reference Data Set. If you have set up your own Reference Data Set and you are not able to find it in the drop-down list, test the solution from The LOV To Pick The Reference Data Set Is Empty For Assets Setup [ID 1356686.1]. Pick the Fiscal Year and then choose whether to check the Depreciate When Placed in Service check box. This check box determines whether depreciation starts to be taken from the period the date placed in service (DPIS) falls into or the period the prorate date falls into. Exception: Depreciation Method straight-line (STL) ignores this option and always starts taking depreciation in the accounting period that corresponds to the prorate date. One may have to set up the same convention twice, with and without this check box checked depending on the business needs.

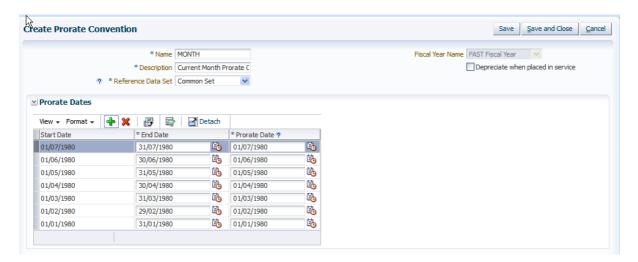
Example: Calendar Fiscal Year, DPIS 01-JAN, Period of Addition March.

Depreciate When Placed in Service check box checked: 12 periods worth of depreciation is spread over the remaining 10 months of the fiscal year

Depreciate When Placed in Service check box NOT checked: In March 3 periods worth of depreciation is taken, 2 catching up January and February depreciation, and for the remaining 9 periods 1/12 of the annual depreciation is taken.



Click on the Create button with the little golden plus to create a new prorate convention.



In order to help avoid gaps in the convention, the first Start Date defaults to the Oldest Date Placed In Service and the next start dates default to the day after the manually entered End Date, e.g. to avoid a gap in leap years. Fusion Assets prorates the depreciation taken for an asset in its first fiscal year of life according to the prorate date. Fusion Assets calculates the prorate date when you initially enter an asset. The prorate date is based on the date placed in service and the asset prorate convention. For example, if you use the half-year prorate convention, the prorate date of all assets using that

convention is simply the mid-point of your fiscal year. So assets acquired in the same fiscal year take the same amount (half a year's worth) of depreciation in the first year. If however, you use the following month prorate convention, the prorate date is the beginning of the month following the month placed in service, no depreciation is taken in the month the date placed in service falls into. So, the amount of depreciation taken for assets acquired in the same fiscal year varies according to the month they were placed in service.

Using the same prorate conventions as **retirement conv**entions the effect is as follows:

Same Month – No depreciation in the period the retirement date falls into

**Following Month** – Depreciation taken in the period the retirement date falls into

Half year - No depreciation in the half year the retirement date falls into

**Year** - No depreciation in the fiscal year the retirement date falls into

**Note:** If using a daily prorate convention, then a daily prorate calendar needs to be attached to that asset book.

Once the prorate periods are saved, the only way to correct them is to delete them from the most recent backwards via the red cross button and then set up from the one to be corrected again. **Note:** Just like with the calendar periods, one can only delete them in the page as far back as right after the current open period in

For further reference on the setup and use of prorate conventions, please review also the EBS note The Wonderful World of Prorate Conventions White Paper [ID 115323.1].

# 8. Depreciation Methods

Seeded depreciation methods exist, so it depends on the requirements whether it is a **mandatory** or **optional** step to set up Depreciation Methods for Fusion Assets.

Fusion Assets calculates the annual depreciation amount and then spreads it over the depreciation periods within the year. The following method types exist:

**Calculated** – Straight-line method for which seeded lives exist. Calculated methods spread the asset value evenly over the life.

Flat – A flat percentage depreciation method depreciating over time with a fixed rate

**Table** – The annual depreciation rate is taken from a table

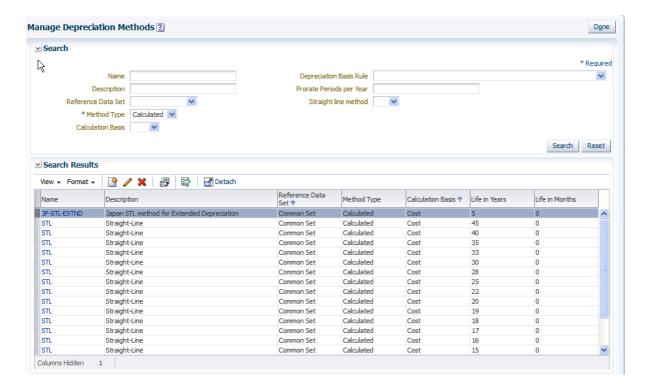
Formula - The annual depreciation is calculated based on a user-defined formula

**Production** – Depreciation calculated based on units of production in relation to the production capacity

Another determinant for the depreciation method is the Calculation Basis, ie whether depreciation is calculated based on cost or on Net Book Value (NBV). Fusion Assets provides the Depreciable Rules feature to accommodate depreciation method setup requirements not met by the Cost or NBV calculation basis types. The combination of depreciable basis rule and depreciation method determines how depreciable basis and depreciation expense are derived.

#### STL

These are some seeded straight-line methods:



	Name STL	✓ Straight line method	
* Description   Straight-Line  ? Reference Data Set Common Set     Method Type Calculated ? Calculation Basis Cost	Life in Years 12 Life in Months 0		
	Prorate Periods per Year		
	✓ Depreciate in year retired		
	Exclude salvage value		
? Depreciation Bas	sis Rule	Polish adjustment calculation ba	

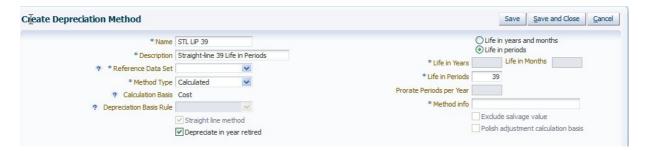
One can add more straight-line methods if more than the seeded lives (years and months) are needed.

A new feature is the Life In Periods. In straight-line depreciation method, the asset cost is amortized evenly over the useful life of the asset. Fusion Assets depreciation program calculates annual depreciation rate by dividing the one by life in years.

The useful life is normally expressed in calendar years and months. As each calendar year has 12 months, Fusion Assets calculates the depreciation rate assuming that number of months per year as

12. The fiscal year of an enterprise is decided by the reporting requirements and tax regulations. The period in a fiscal year may not correspond to calendar month and may exceed or less than 12. The life of the assets can also be expressed in number of periods rather than calendar years and months.

The cost of the asset can now be amortized over the periods rather than calendar months. The depreciation rate will be calculated by dividing one by the life in periods. For example if an enterprise's fiscal year is Jan to Dec and has 13 periods. The enterprise has acquired machinery for \$6000.00. The estimated useful life of the machinery is 3 years i.e. 39 periods. The depreciation rate is 1/39 = 0.026 and the periodic depreciation is \$153.85.

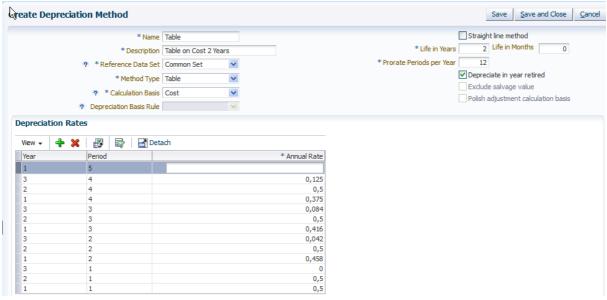


#### Flat Rate

Flat Rate Methods can be based on Cost or NBV. The Depreciable Basis defaults to Use Recoverable Cost. If using Calculation Basis NBV, the default Depreciation Basis Rule is Use Transaction Period Basis. As the rate is fixed, no life needs to be specified, but a rate of 10 % on cost would equal straight-line 10 years and 0 months.



#### Table Based



For table based methods based on cost the rates per year always need to add up to 1 as in the above example, eg year 1 period 1 rate .5 plus year 2 period 1 rate .5 equals 1 so for year 3 period 1 the rate is 0.

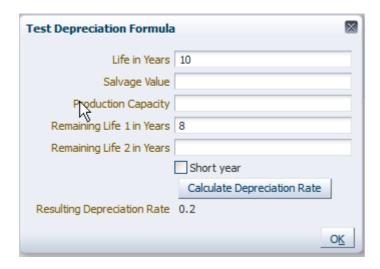
To determine the rates, calculate an annual depreciation rate for each fiscal year of an asset's life, for each period in your prorate calendar. This rate is the annual rate for the year for an asset where the prorate date falls into this prorate period. You do not need to calculate the depreciation rate for each depreciation period in each year of the asset life. You only enter annual depreciation rates in the Annual Rate field of the Rates window. The depreciation program uses this annual depreciation rate to determine the fraction of an asset cost or net book value to allocate to this fiscal year. It then uses the depreciation calendar and divide depreciation flag to spread the annual depreciation over the depreciation periods of the fiscal year.

## Formula

Fusion Assets offers the ability to create user-defined depreciation methods based on one's own formula. The example given here is a double declining method with a switch to straight-line. This method compares which depreciation amount will be greater, the declining or the straight line (STL) amount and then switches from declining to straight-line in the year when that depreciation amount is greater.

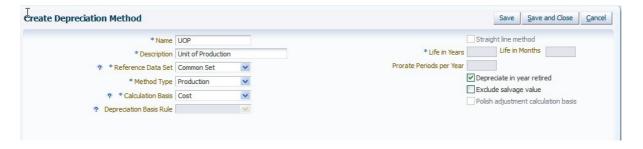


The formula can be tested and so also reworked before saving it:



#### Unit of Production

Units of production methods depreciate the asset cost based on actual use or production each period. The Units of production depreciation method differs from other methods because it bases depreciation only on how much the asset is used.



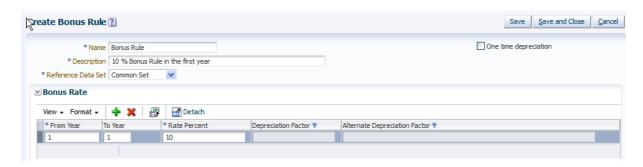
#### 9. Bonus Rules

It is an **optional** step to set up Bonus Rules for Fusion Assets.

A bonus rule can have a different bonus rate for each year of the asset's life. One can modify the rate at any time for current and future fiscal years. One can use bonus rules with corporate books as well as tax books. Bonus rates increase the annual depreciation expense for assets using flat-rate, straight-line, table-based, and formula-based depreciation methods. Fusion Assets also allows the set up of negative bonus rates to amortize bonus reserve.

For reporting purposes, you can set the bonus year and rate to 0. Fusion Assets does not calculate any bonus expense.

The One-Time Depreciation check box to limits bonus rules to one fiscal year.



### 10. Ceilings

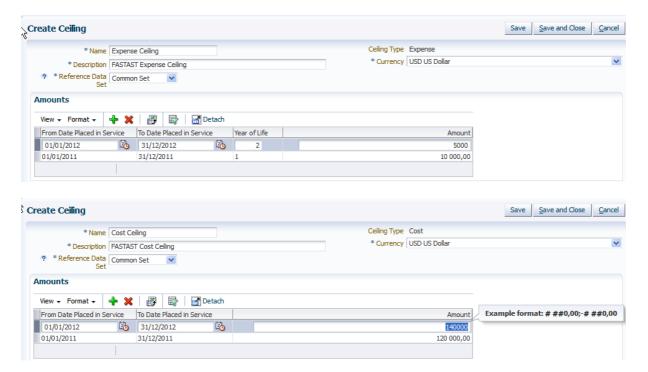
It is an **optional** step to set up Ceilings for Fusion Assets.

One can limit the recoverable cost used to calculate annual depreciation expense. One can enter a ceiling only for assets in tax depreciation books and one can enter a depreciation ceiling only for assets in books that allow depreciation ceilings. Depreciation ceilings for a book are enabled in the Manage Books page.

Depreciation ceilings limit the depreciation expense you can take for an asset. Set up depreciation expense ceilings to limit the annual amount of depreciation expense you can take on an asset. Or set up depreciation cost ceilings to limit the recoverable cost of an asset.

- Depreciation Expense Ceilings: Use the Ceilings window to define your depreciation expense ceilings. If you are subject to United States tax law, you must set up depreciation ceilings for luxury automobiles.
- Depreciation Cost Ceilings: If you do business in a country which requires cost ceilings, such as Australia, you can limit the cost Oracle Assets uses to calculate depreciation. When you use a cost ceiling, Oracle Assets bases depreciation expense on the lesser of the cost ceiling and the asset cost.

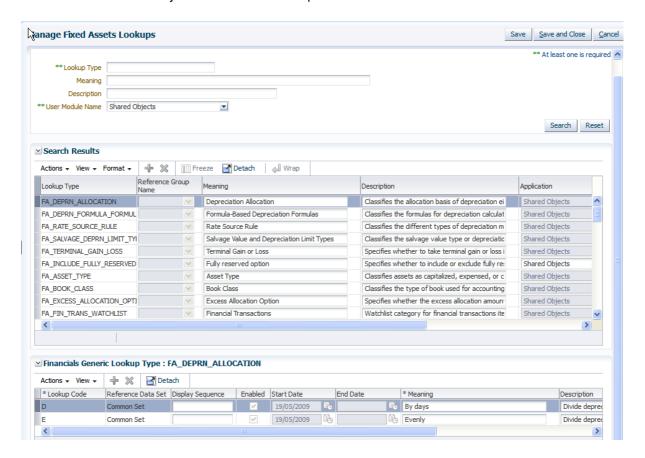
**Default** - If you skip this step, depreciation expense will not be limited by depreciation ceilings.



# 11. Fixed Assets Lookups

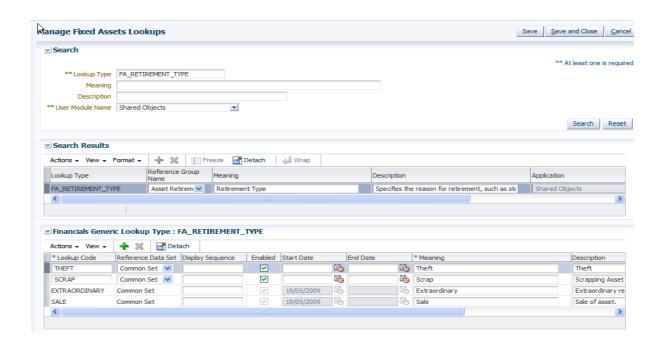
It is an **optional** step to set up Lookups for Fusion Assets.

The list under Shared Objects includes all Lookups used in Fusion Assets:



However, it makes sense to add lookup codes to only the following:

Prepare Asset Description, Mass Additions Rules, Unplanned Depreciation, and Retirements as there is already functionality behind the others.



## 12. Asset Depreciation Book

It is a **mandatory** step to set up Depreciation Books for Fusion Assets.

In the Manage Books page one can set up an unlimited number of independent depreciation books. Each book has its own set of accounting rules and accounts so one can organize and implement ones fixed assets accounting policies.

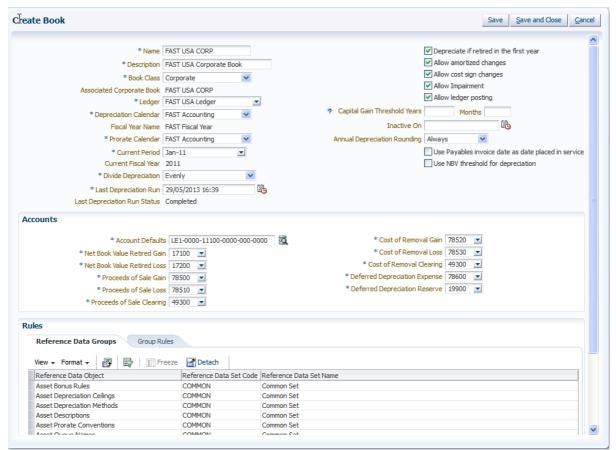
When defining a tax book, an associated corporate book must be specifies. One can mass copy assets and transactions from the source book into the tax book. One specifies the current open period, and Initial Mass Copy copies each asset into the tax book from the corporate book as of the end of that fiscal year in the corporate book.

An asset can have different financial information and depreciation rules in each book. For example, you can make the asset cost in your tax book different from the cost in the associated corporate book. Because the books are independent, you can run depreciation for each book on a different schedule.

In Oracle Fusion Assets, user access to the data is secured at the asset book level. Each user can view and update the assets only in the asset book to which they have access.

An asset can belong to any number of tax books, but must belong to only one corporate book. New or existing assets must first be added to a corporate book and then can be easily copied to all the associated tax books.

You can set up multiple corporate books that create journal entries for different ledgers, or for the same ledger. In either case, you must run depreciation and create journal entries for each book. For each corporate book, you can set up multiple tax books and associate all of them to the corporate book.



Corporate book(s) have to be set up first if planning to set up tax book(s). Give the book a unique name and description; pick the book class and the associated ledger. Pick the Depreciation and Prorate Calendar defined earlier. Be careful with the Current Period as this will be the first period depreciated and it cannot be changed.

Determine whether annual depreciation should be divided **evenly** over the depreciation periods or whether it should be divided **by days** in the periods. You can pick today's date and time for **Last Depreciation Run**.

**Depreciate if retired in the first year** – This option is self-explanatory. If it is not checked, then the system will back out the year-to-date (YTD) depreciation taken in the fiscal year when the asset is retired

**Allow amortized changes** – Check the Allow Amortized Changes check box to allow amortized changes in this book.

**Allow cost sign changes** – This indicates whether to allow adjustments that change the cost on an asset from positive to negative or from negative to positive

**Allow Impairment** – Check the Allow Impairments check box if you want to allow impairments to be performed in this depreciation book

**Allow ledger posting** – Check the Allow ledger posting check box if you want to be able to send journals to General Ledger (GL) from Assets

**Capital Gain Threshold Years/Months** – This is the minimum time an asset is held to be reported as a capital gain when retired

**Inactive On** – The depreciation book is no longer active and usable once a date has been entered in this field. **Note:** Once a date has been entered and saved, the book **CANNOT** be activated again.

**Annual Depreciation Rounding** – This controls whether or not annual rounding is performed for assets.

- With Restrictions: End of the year adjustments are performed for assets that have no adjustments, revaluations, retirements, transfers, or additions with accumulated depreciation in the current fiscal year. This is the default.
- Always: Annual rounding is performed at the end of the year, even if the assets have been added with accumulated depreciation, adjusted, revalued, reinstated, or transferred in the current fiscal year.
- (No Value): Equivalent to With Restrictions

**Use Payables invoice date as date placed in service** – Enables you to use the Future Transactions feature by allowing the default date-placed-in-service to be the invoice date, even when the invoice date is in a future accounting period. If you check this check box, Fusion Assets defaults the date-placed-in-service to the invoice date for future transactions. If you leave this check box unchecked, Fusion Assets does not default the date-placed-in-service to the invoice dates, and you cannot use the Future Transactions feature.

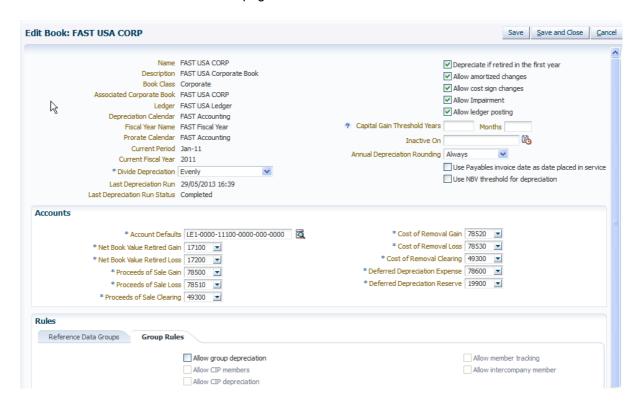
**Use NBV threshold for depreciation** – Allows you to decide whether to depreciate assets using a depreciation threshold. This option accommodates specific Japanese business rules. In general, your system should depreciate using the depreciation threshold.

**Account Defaults** – This is the default code combination used as a source for Subledger Accounting (SLA) where this account code combination is an account combination rule called Book Controls Default Account.

For further details on Subledger Accounting in Fusion Assets see White Paper - Subledger Accounting Setup for Oracle Fusion Assets [ID 1396942.1]. The Oracle® Fusion Applications Asset Lifecycle Management, Assets Guide describes the journal entries created for retirements using the accounts set up in the Accounts zone of the Create Book page.

Deferred Depreciation Expense and Deferred Depreciation Reserve are accounts used when creating only deferred depreciation journals instead of the full standard journals. So, for a corporate book one can actually use 'dummy' accounts.

In the Rules zone of the Create Book page one can use the Reference Data Sets, seeded or previously set up. If using Group Depreciation, then the Group Rules are also set up in the Rules zone of the Rules zone of the Create Book page.



**Allow Group Depreciation** – Enables the use of group and member assets for a depreciation book. This option can be checked at a later date, but it cannot be disabled once group/member assets are added to the book.

**Allow CIP members** – If this check box is checked, then CIP assets are allowed to be added to group assets.

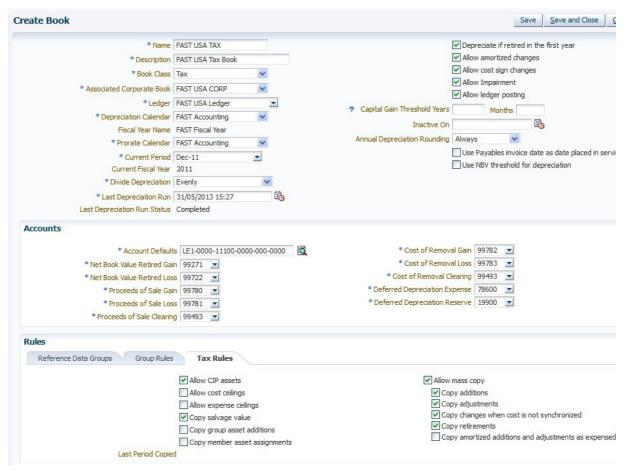
**Allow CIP Depreciation** – Check this check box to allow depreciation of member CIP asset cost. This option can only be checked if CIP members are allowed.

**Allow Member Tracking** – Allows member asset tracking for group depreciation. If you need to track depreciation only on the group level then DO NOT check this option.

**Allow Intercompany Member** - Check this check box to allow the group asset and its member assets to have a different balancing segment value. If the check box is not checked, the group asset and each of its member assets must have the same balancing segment value.

Once the new asset book is saved, generate **data roles** or verify the **data roles** if already generated for the book. To complete the setup for the book you also have to provide these role(s) to the implementation users for the Asset Book(s). See also Can Not Manually Create An Asset. Can Not Select The Depreciation Book [ID 1522776.1].

When setting up a tax book and choosing the Book Class Tax, a third tab appears in the Rules Zone with options for the tax book:



Note: As we plan to create standard journal entries from the tax book, we are using different accounts than in the corporate book.

**Allow CIP Assets** – Allows CIP assets to exist also in the tax book. Note: They are not copied via Mass Copy, but get created, adjusted, etc. at the same time the CIP asset is updated via API. Only once the asset is capitalized are the transactions copied via Mass Copy to the tax book.

**Allow cost/expense ceilings** – Allows to limit the recoverable cost used to calculate annual depreciation expense. See the chapter on ceilings above.

Copy salvage value – If assets have salvage value then if this check box is checked, it will be copied to the tax book.

**Copy group asset additions** and **Copy member asset assignments** – If Group Depreciation is allowed for the tax book, Group asset additions get copied to the tax book if checked and asset assignments as members to a group asset are also copied if checked.

**Allow Mass Copy** – Determines if any transactions are copied at all to the tax book via Mass Copy. If this option is checked, then one can decide whether to check also to copy additions, adjustments, and retirements.

Copy changes when cost is not synchronized – If the cost in the tax book is not in synch with that in the corporate book of an asset, i.e. manual transactions were performed in the tax book only that affected cost, then no further transaction on the asset would get copied to the tax book if this option is not checked.

**Copy amortized additions and adjustments as expensed** – If checked, Amortized additions/adjustments will be copied to the tax book as Expensed transactions.

# 13. Cash Generating Units (CGUs)

It is an **optional** step to set up Cash Generating Units for a depreciation book.

If Impairments have been allowed for a depreciation book, then one can also set up Cash Generating Units (CGU) if needed. One can define as many CGUs as needed for the book.

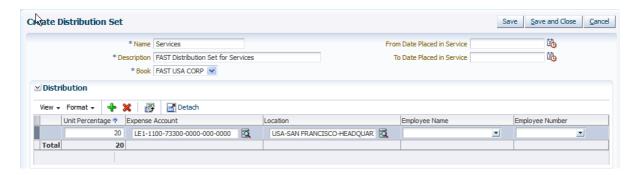


Enter the name of the cash generating unit, the CGU name has to be unique. Then choose the book in which the CGU is to be used. The description field is used for describing the cash generating unit. The Enabled check box indicates whether the Cash Generating Unit is in use or not. This field is optional.

#### 14. Distribution Sets

It is an **optional** step to set up Distribution Sets for Fusion Assets.

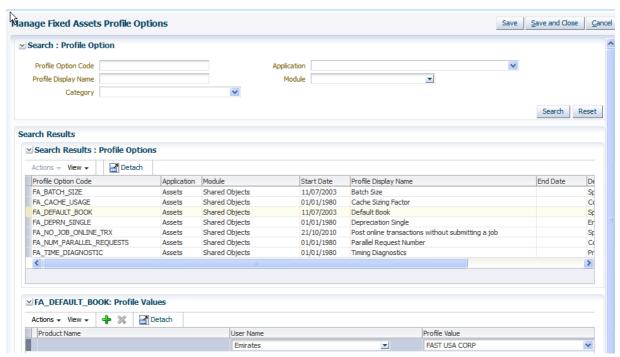
If frequently the same assignment sets are used, then one can set up a Distribution Set to facilitate data entry.



Give the set a meaningful name and description. Pick the book and optionally restrict the usage to specific dates placed in service. Then in the Distribution zone assign each row a percentage which must add up to 100 in the total. Enter/pick the Expense Account and/or Location and/or Employee.

## 15. Fixed Assets Profile Options

It is an **optional** step to set up Profile Options for Fusion Assets.



Batch Size - The batch size used for bulk processing in mass processes.

**Cache Sizing Factor** - Controls the amount of database information retained in a job for performance improvement. The range is 0 to 25, and the default value is 25; you do not need to update this option.

**Default Book** – Defaults the book chosen for all book fields when entering a transaction. The option can be set for site, product or user level.

**Depreciation Single** - This profile option controls the caching buffer used when you run depreciation. You can set the buffer to either No (20) or Yes (1).

**Post online transactions without submitting a job** – If the option is set to yes the posting code is invoked rather than just inserting to the interface and deferring processing to an ESS job. It is **not recommended** to set the option to yes for performance reasons.

**Parallel Request Number** - Controls the number of requests you run in parallel for those Fusion Assets programs that can run in parallel. For example, use this profile option to run parallel depreciation processes. When you run the process, Fusion Assets spawns a parent process with several child processes. Note that the Parent ID number is identical to that of the Job ID in the View Jobs page.

Enter a number between 1 and 20 to specify the maximum number of parallel requests you want to allow. The parent process is not included in this number. Do not use a higher number then the number of CPUs on the server.

**Timing Diagnostics** - Indicates whether timing diagnostic messages are printed in job program log files. This profile option is used by Support as a tool to identify a problem with the code.

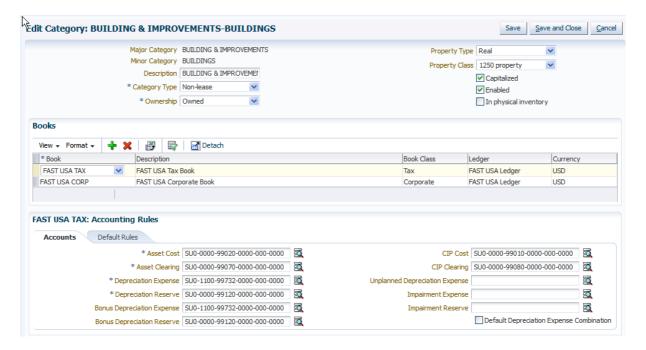
- Yes: Enables printing of timing information
  - No: Disables printing of timing information

### 16. Asset Categories

It is a **mandatory** step to set up Asset Categories for Fusion Assets.

We started the Fusion Assets setup with the three key flexfields. Our last step will now be to link the asset category flexfield values with the depreciation book(s) and the default settings.

The Create/Edit Category page is divided into 3 zones. At the top we define the category, the next zone links the depreciation book to the category and in the third zone the category accounts and defaults are defined.

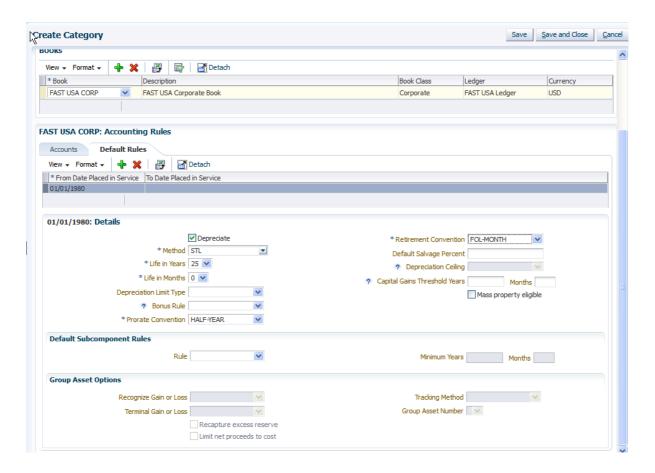


**Capitalized** – The assets under this category are depreciated. If you plan to send expensed items to the corporate book, then you need minimum one category where this check box is unchecked. Note: Expensed items cannot be copied to tax books.

**Enabled** – One cannot add assets to a category which is not enabled. All assets under a category to be disabled would have to be changed to a different, enabled, category.

**In physical inventory** – Defaults to all assets created with this category, these assets will be allowed to be listed in the physical inventory

In the Books section of the page one can add a new line via the green plus button and then pick the asset book from the list. Once a book is chosen one needs to enter the accounts. The ones marked with a \* are mandatory. If depreciating directly then one can enter the same account for Asset Cost and Depreciation Reserve (accumulated depreciation). When checking the **Default Depreciation Expense Combination** check box here, the expense account in the Assignments zone gets the account segment defaulted from the asset category when adding an asset.



Under the Default Rules the starting Date Placed in Service is drawn from the Oldest Date Placed in Service from the System Controls page. If rules change one needs to insert a new row via the green plus button end-dating the prior default rules. The Depreciate check box determines whether assets under the category do depreciate. One needs to pick a method and thus a life or rate and a prorate and a retirement convention as a minimum. One can also set the depreciation limit type; pick a bonus rule and the salvage value default All Default Rules can be overridden at asset level.

**Mass Property** Assets provides companies, which have high asset volumes, with the ability to treat similar assets installed in the same fiscal year as a single asset, which holds the aggregate cost and units. Storing assets in this manner greatly simplifies the tracking, reporting, analysis, and ultimately the retirement of these assets, since all like assets from a particular vintage year are stored as an individual asset.

One can determine a Default Sub Component Rule. Options are:

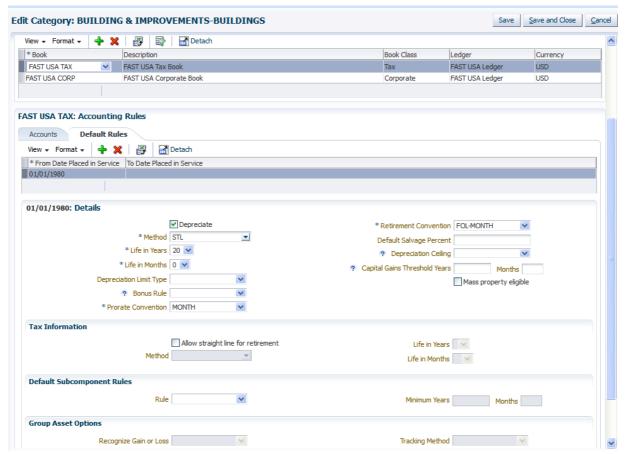
**Same End Date** (Without specifying a minimum life): The subcomponent asset becomes fully depreciated on the same day as the parent asset or at the end of the category default life, whichever is sooner. The default subcomponent asset life is based on the end of the parent asset life and the category default life. If the parent asset is fully reserved, Fusion Assets gives the subcomponent asset a default life of one month.

Same End Date (Specifying a minimum life): The subcomponent asset becomes fully depreciated on the same day as the parent asset, unless the parent asset life is shorter than the minimum life you specify. The subcomponent asset's life is determined based on the end of the parent asset's life, the category default life, and the minimum life. If the parent asset's remaining life and the category default life are both less than the minimum life you enter, Fusion Assets uses the minimum life for the

subcomponent asset. Otherwise, it uses the lesser of the parent asset's remaining life and the category default life.

**Same Life**: The subcomponent asset uses the same life as the parent asset. It depreciates for the same total number of periods. If the subcomponent asset is acquired after the parent asset, it depreciates beyond the end date of the parent asset life.

For the Group Asset options please refer to the Group Depreciation in Oracle Assets White Paper [ID 375153.1].



Check Allow Straight Line for Retirements if you are setting up an asset category with a 1250 property class in a tax book. Fusion Assets uses a straight-line depreciation method in determining the gain or loss resulting from the retirement of 1250 (real) property.

If you check Allow Straight Line for Retirements, enter the straight-line depreciation Method and Life you want to use for the Gain From Disposition of 1250 Property Report. This is the default method for your asset in the Retirements page and in the tax book if you use mass copy.

Once all categories for all depreciation books necessary are set up, the set up is complete. Of course it can be partially adjusted at a later date. But at this point the system is ready to be used and the first asset can be added.