



Plant UML

PlantUML 은 다이어그램을 빠르게 작성하기 위한 오픈 소스 프로젝트입니다.

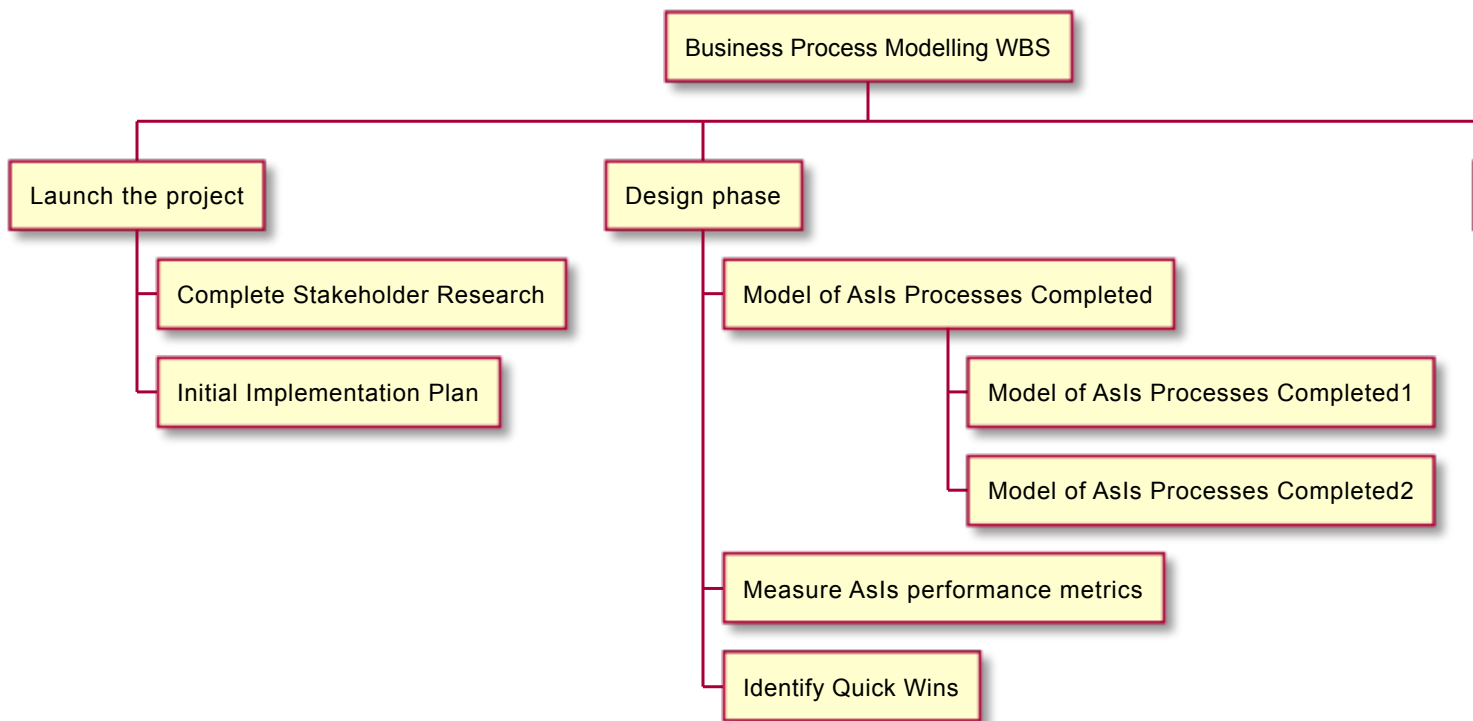
Work Breakdown Structure (WBS)

WBS diagram are still in beta: the syntax may change without notice.

OrgMode syntax

This syntax is compatible with OrgMode

```
@startwbs
* Business Process Modelling WBS
** Launch the project
*** Complete Stakeholder Research
*** Initial Implementation Plan
** Design phase
*** Model of AsIs Processes Completed
**** Model of AsIs Processes Completed1
**** Model of AsIs Processes Completed2
*** Measure AsIs performance metrics
*** Identify Quick Wins
** Complete innovate phase
@endwbs
```

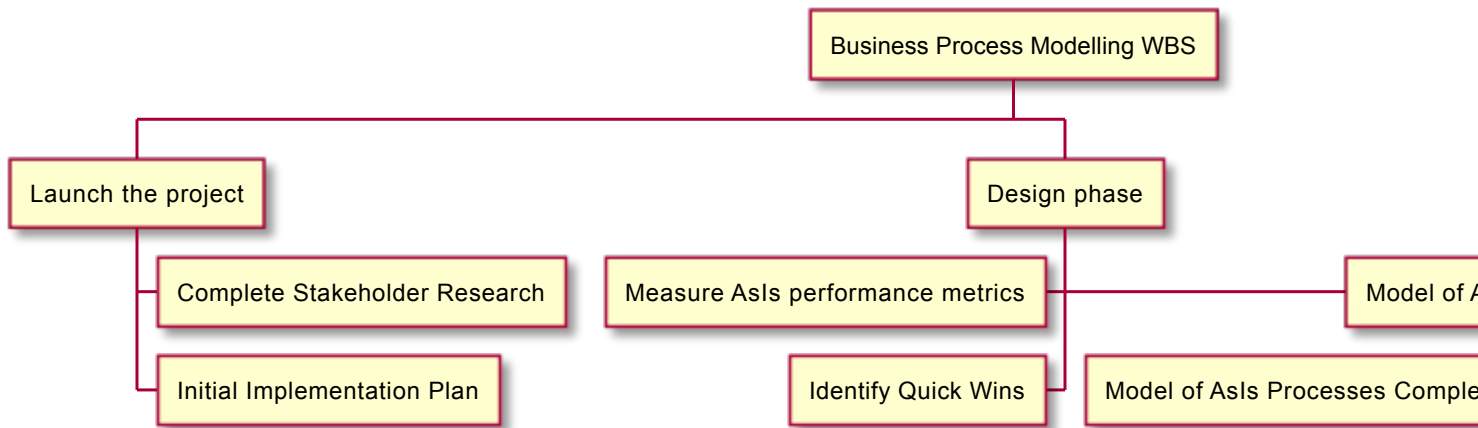


Change direction

You can change direction using < and >

```

@startwbs
* Business Process Modelling WBS
** Launch the project
*** Complete Stakeholder Research
*** Initial Implementation Plan
** Design phase
*** Model of AsIs Processes Completed
****< Model of AsIs Processes Completed1
****> Model of AsIs Processes Completed2
***< Measure AsIs performance metrics
***< Identify Quick Wins
@endwbs
  
```

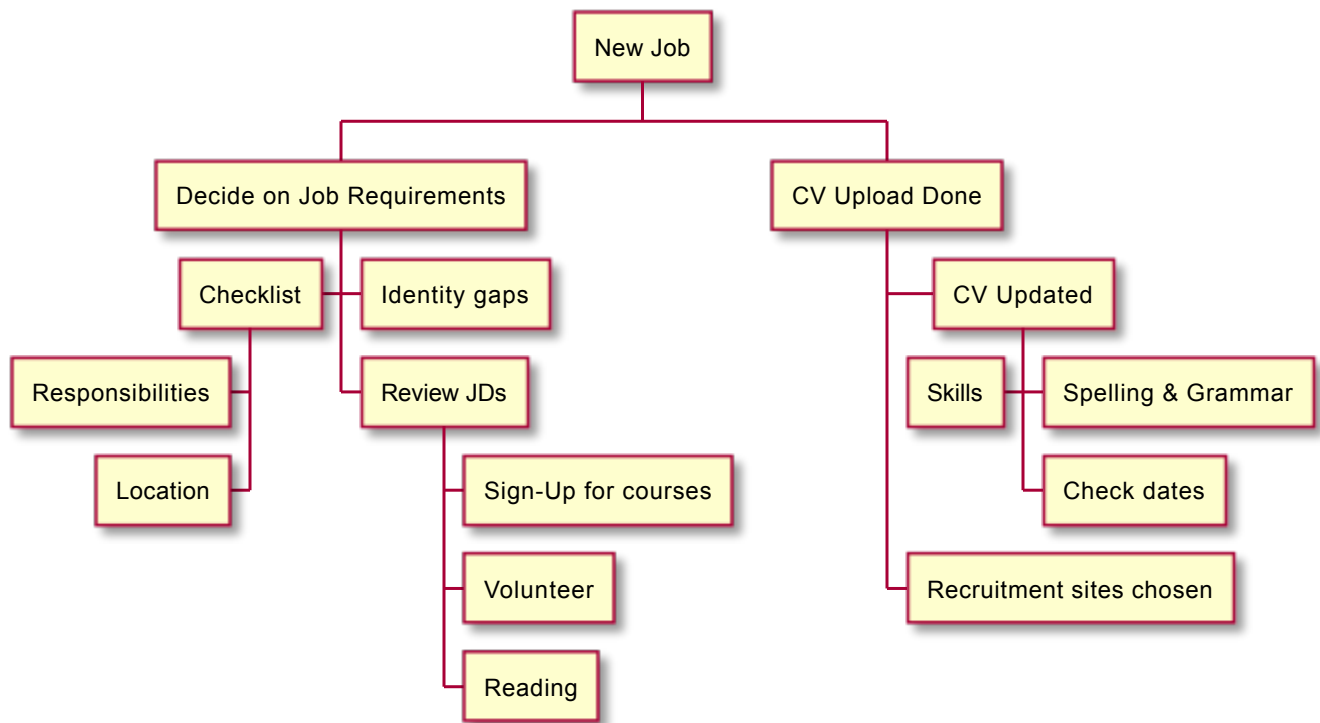


Arithmetic notation

You can use the following notation to choose diagram side.

```

@startwbs
+ New Job
++ Decide on Job Requirements
+++ Identity gaps
+++ Review JDs
++++ Sign-Up for courses
++++ Volunteer
++++ Reading
++- Checklist
++- Responsibilities
++- Location
++ CV Upload Done
+++ CV Updated
++++ Spelling & Grammar
++++ Check dates
---- Skills
+++ Recruitment sites chosen
@endwbs
  
```



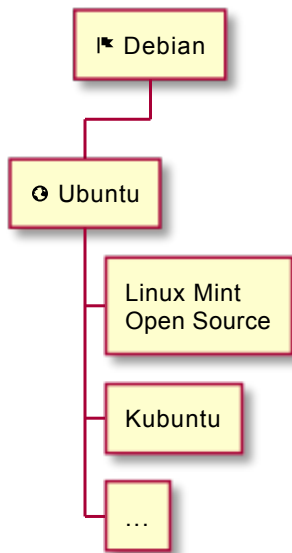
Multilines

You can use : and ; to have multilines box, as on [MindMap](#).

```
@startwbs
* <&flag> Debian
** <&globe> Ubuntu

***:Linux Mint
Open Source;

*** Kubuntu
*** ...
@endwbs
```



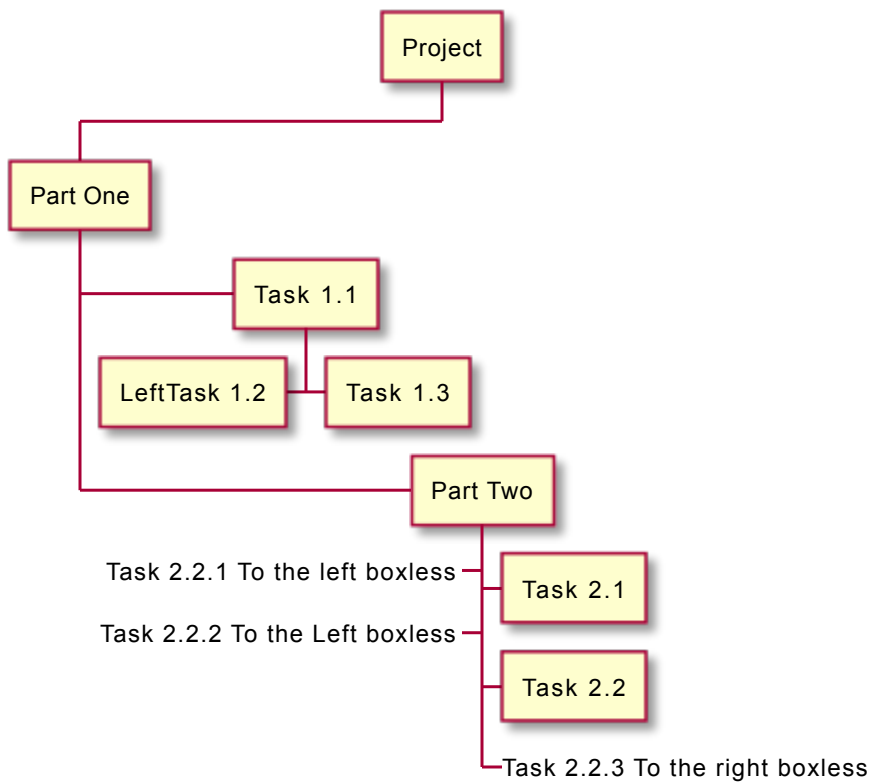
Removing box

You can use underscore `_` to remove box drawing.

Boxless on Arithmetic notation

Several boxless node

```
@startwbs
+ Project
+ Part One
+ Task 1.1
- LeftTask 1.2
+ Task 1.3
+ Part Two
+ Task 2.1
+ Task 2.2
- _ Task 2.2.1 To the left boxless
- _ Task 2.2.2 To the Left boxless
+ _ Task 2.2.3 To the right boxless
@endwbs
```

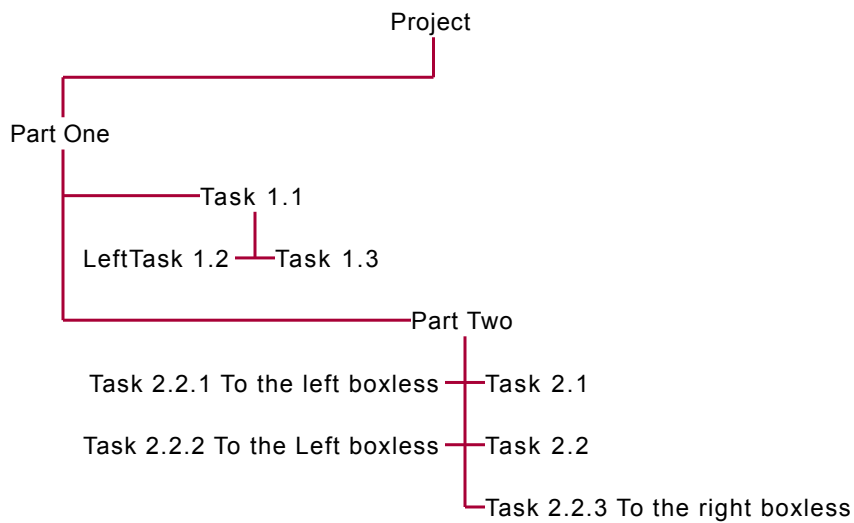


All boxless node

```

@startwbs
+ _ Project
+ _ Part One
+ _ Task 1.1
- _ LeftTask 1.2
+ _ Task 1.3
+ _ Part Two
+ _ Task 2.1
+ _ Task 2.2
- _ Task 2.2.1 To the left boxless
- _ Task 2.2.2 To the Left boxless
+ _ Task 2.2.3 To the right boxless
@endwbs

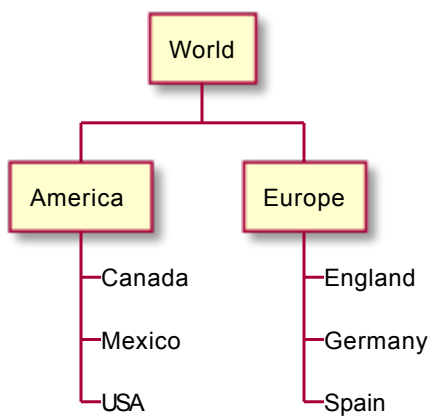
```



Boxless on OrgMode syntax

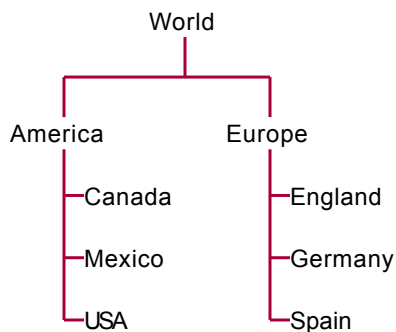
Several boxless node

```
@startwbs
* World
** America
***_ Canada
***_ Mexico
***_ USA
** Europe
***_ England
***_ Germany
***_ Spain
@endwbs
```



All boxless node

```
@startwbs
*_ World
**_ America
***_ Canada
***_ Mexico
***_ USA
**_ Europe
***_ England
***_ Germany
***_ Spain
@endwbs
```

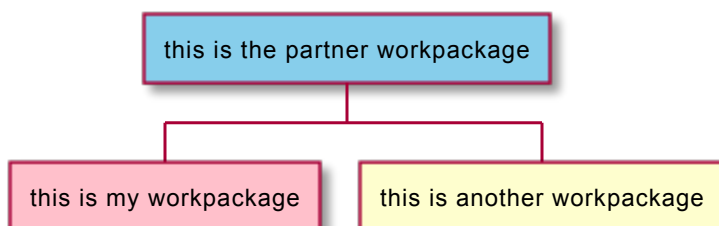


Colors (with inline or style color)

It is possible to change node **color**:

- with inline color

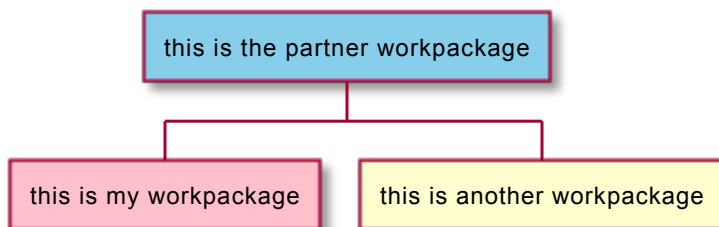
```
@startwbs
*[#SkyBlue] this is the partner workpackage
**[#pink] this is my workpackage
** this is another workpackage
@endwbs
```




```

@startwbs
+[#SkyBlue] this is the partner workpackage
++[#pink] this is my workpackage
++ this is another workpackage
@endwbs

```

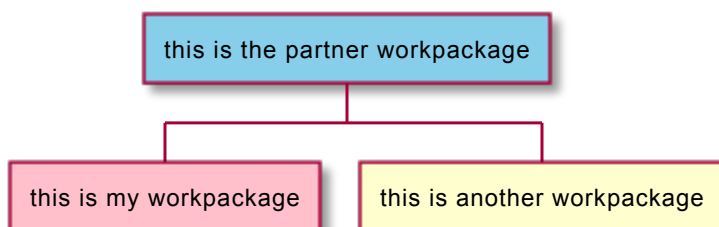


- with style color

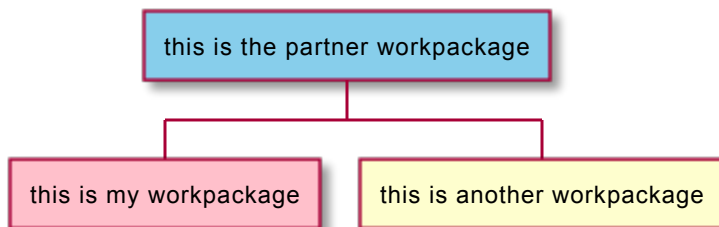
```

@startwbs
<style>
wbsDiagram {
  .pink {
    BackgroundColor pink
  }
  .your_style_name {
    BackgroundColor SkyBlue
  }
}
</style>
* this is the partner workpackage <<your_style_name>>
** this is my workpackage <<pink>>
** this is another workpackage
@endwbs

```



```
@startwbs
<style>
wbsDiagram {
  .pink {
    BackgroundColor pink
  }
  .your_style_name {
    BackgroundColor SkyBlue
  }
}
</style>
+ this is the partner workpackage <<your_style_name>>
++ this is my workpackage <<pink>>
++ this is another workpackage
@endwbs
```



Using style

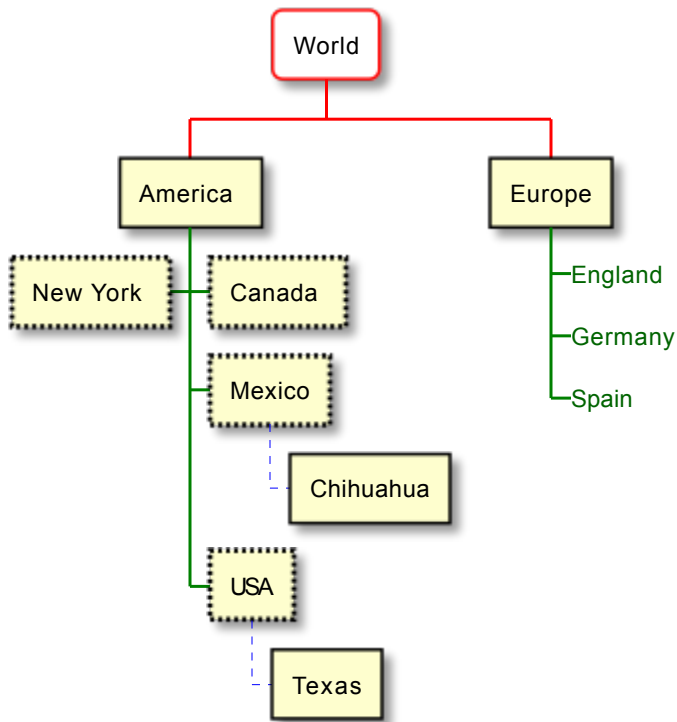
It is possible to change diagram style.

```

@startwbs
<style>
wbsDiagram {
    // all lines (meaning connector and borders, there are no other lines in WBS) are black
    LineColor black
    arrow {
        // note that connector are actually "arrow" even if they don't look like as arrow
        // This is to be consistent with other UML diagrams. Not 100% sure that it's a good id
        // So now connector are green
        LineColor green
    }
    :depth(0) {
        // will target root node
        BackgroundColor White
        RoundCorner 10
        LineColor red
        // Because we are targetting depth(0) for everything, border and connector for level
    }
    arrow {
        :depth(2) {
            // Targetting only connector between Mexico-Chihuahua and USA-Texas
            LineColor blue
            LineStyle 4
            LineThickness .5
        }
    }
    node {
        :depth(2) {
            LineStyle 2
            LineThickness 2.5
        }
    }
    boxless {
        // will target boxless node with '_'
        FontColor darkgreen
    }
}
</style>
* World
** America
*** Canada
*** Mexico
**** Chihuahua
*** USA
**** Texas
***< New York

```

```
** Europe
***_ England
***_ Germany
***_ Spain
@endwbs
```



Word Wrap

Using `MaximumWidth` setting you can control automatic word wrap. Unit used is pixel.

@startwbs

<style>

```
node {
    Padding 12
    Margin 3
    HorizontalAlignment center
    LineColor blue
    LineThickness 3.0
    BackgroundColor gold
    RoundCorner 40
    MaximumWidth 100
}
```

```
rootNode {
    LineStyle 8.0;3.0
    LineColor red
    BackgroundColor white
    LineThickness 1.0
    RoundCorner 0
    Shadowing 0.0
}
```

```
leafNode {
    LineColor gold
    RoundCorner 0
    Padding 3
}
```

```
arrow {
    LineStyle 4
    LineThickness 0.5
    LineColor green
}
```

</style>

* Hi =)

** sometimes i have node in wich i want to write a long text

*** this results in really huge diagram

**** of course, i can explicit split with a\nnew line

**** but it could be cool if PlantUML was able to split long lines, maybe with an option v

@endwbs

Hi =)

sometimes i have
node in wich i
want to write a
long text

this results in
really huge
diagram

of course, i can
explicit split with
a
new line

but it could be
cool if PlantUML
was able to split
long lines,
maybe with an
option who
specify the
maximum width
of a node