

# Work Order

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## Work Order Object

**Work Order** is a transaction involved in the **production cycle**. A work order is comprised of the header (Work Order), Steps (Work Order Step) and Components (WorkOrderComponent). Using this end point you can create, delete and edit work orders at the header level including changing status. To add components, edit or delete components use the **Fill Line Item** end point. To add quantities the finished good or components use the **quantity import** end point.

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### End Point

/workorder

GET, POST, PUT, DELETE

GET and DELETE requests expect parameter docNo of type Int32.

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### Properties - Work Orders

Property	Caption	Data Type	Required	Can Update with PUT
ItemRef	Item	EntityRef	True	False
DocNo	No.	Int32	False	False
Date	Date	DateTime	True	False
PromiseDate	Promise Date	DateTime	False	True
StatusRef	Status	EntityRef	False	True
ClassRef	Class	EntityRef	False	True
Instructions	Instructions	String (4000)	False	True
Memo	Memo	String (4000)	False	True

Steps	Steps	Array of WorkOrderStep, Each WorkOrderStep contains an array of WorkOrderComponent	False	False
CustomFields	Custom Fields	Array of CustomFieldData	False	True

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## Properties - Work Order Component

Property	Caption	Data Type	Required	Read Only
\$type	This property MUST be included to tell the API what type of item is being added. The value should be "AOLib7.WorkOrderComponent, AOLib7"			
Id	Id	Int32	False	True
LineNo	Line No	Int16	False	True
ItemRef	Item	EntityRef	True	False
StepRef	UOM	EntityRef	True	False
Description	Description	String (4000)	False	False
LineInstructions	Line Instructions	String (4000)	False	False
UomRef	UOM	EntityRef	False	False
UomConversionRate	UOM Conversion Rate	Decimal	False	False
QuantityRequired	Required	Decimal	True	False
Quantity	Quantity	Decimal	False	False
StdCost	Std. Cost	Decimal	False	True
CustomFields	Custom Fields	Array of CustomFieldData	False	False

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## Json Sample

```
{
  "ItemRef": {
    "Name": "A1000"
  },
  "QuantityOrdered": 10,
  "BomRef": {
    "Name": "V2"
  },
  "Memo": "This and that",
  "Instructions": "Put the dongle next to the doohicky",
  "PromiseDate": "2022-06-10",
  "StatusRef": {
    "Name": "In Production"
  },
  "CustomFields": [
    {
      "Name": "WOCust1",
      "Value": "REF - 4",
      "Caption": "REF"
    }
  ]
}
```

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#### Notes

- A Post request will create the work order based on the Bill of Materials.
- Use a Put request to change status
- Use the [Fill Line Item](#) end point to add or remove components.
- Use the [Bin and Lot or Serial No Quantity Import](#) to allocate stock to components or add finished goods.