

## “Relative Analysis of Sun Microsystems Open Office and Microsoft Office”

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### **Abstract**

*OpenOffice and Microsoft Office are the two greatest players in the workplace profitability showcase today. OpenOffice is fabricated and kept up by Sun Microsystems and the other, as the name suggests, is made by Microsoft. The fundamental contrast between the two is the way of thinking. Open Office is for nothing out of pocket, and open source. Sun and the OpenOffice’s people group have constructed and kept up their product to benefit PC clients, much like the improvement of Linux. here examination will think about the distinctions, and how they stack facing each other. Finally, we will finish up which one is directly for you and abstain from sitting around idly, and potentially cash, on an inappropriate one[1]. here a central point like a word processor, Spreadsheets, backing to various sorts of records, PDF backing, Alignment and designing, auto spare, backing to math formulae and conditions, stage (working frameworks), size of documents and so on. And lastely defined which one is the most financially savvy and effective office suite for which sort of PC clients[2].*

### **Introduction**

Microsoft Office and Open Office are two of the most well-known entertainers in the developing rivalry of the workplace profitability suite advertise. In the event that you need to pick among them, you need a straight on the correlation between the two to dissect which efficiency bundle satisfies your prerequisite.



### **History of MS Office and OpenOffice**

With its economical technologies, straightforward to grasp highlights, and practicality, Microsoft workplace has dominated the productivity suite selling for quite whereas. Improvement to a different component in such circumstances needs careful analysis, arrangement and company coming up with,

because it is industrially approved programming and organizations have place it smartly straight away. The key open supply is Open Office[1 4].

OpenOffice was at first evolved by a German organization by the name of Star workplace that was a restrictive workplace suite around then. In August 1999, Sun Microsystems procured Star Division and afterwards Sun Microsystems was condemned by Oracle Corporation. In Gregorian calendar month 2000, the ASCII text file of the Star workplace suite was discharged as associate degree ASCII text file workplace suite by the name of OpenOffice.org. At long last in Gregorian calendar month 2011, Oracle Corporation gave OpenOffice.org code to Apache Foundation and OpenOffice with authority joined the Apache family with a brand new endeavor name Apache Open Office[1].

For detail comparison, we will try to compare both office suits by considering following points:

1. GUI
2. Document and File Sharing Compatibility
3. Hardware requirement
4. Technical Support
5. Modules/Packages available in both suits
  - 5.1 MS Word vsOpenOffice Writer
  - 5.2 MS Excel vsOpenOfficeCalc
  - 5.3 MS Power Point vs Open Office Impress
  - 5.4 MS Access vs Open Office Base
  - 5.5 MS Publisher vs Open Office Draw
  - 5.6 Open Office Math
6. Unique features of Open Office
7. Unique features of Microsoft Office
8. Conclusion

## 1. Graphical User Interface (GUI)

Microsoft workplace 2010 program includes a developed and comfy Microsoft feeling with an upscale arrange wherever everything is within easy access to the consumer. OpenOffice three interface configuration is exceptionally close to MS workplace 2003 and many shoppers suppose that its easy to find out as a distinction with MS workplace 2010.

- Microsoft bestowed the new Ribbon UI in workplace 2007 that improved vogue and uncovered the quality that was coated up in menus. In-Office 2010 user interface has Associate in Nursing more and more refined look while not displeasing the present strip interface. Conversely, OpenOffice three does not provide the Ribbon interface and attracts within the shoppers with workplace 2003 foundation[4 6]

## 2. Document and File Sharing Compatibility

Office 2010 and OpenOffice will see documents created by each other with bound alerts and impediments. On account of MS workplace 2010 and 2003 record positions have modified. workplace 2003 shoppers ought to modification over the documents created by workplace 2010

from new record position (.docx) to previous record cluster (.doc) before they will see or alter them.

- OpenOffice utilizes open benchmarks for its innate documents, nonetheless will see and compose records in Microsoft style too. whereas utilizing OpenOffice plan to spare your records to Microsoft workplace 2003 configuration as OpenOffice has endeavored to ensure that shoppers can impart their reports to Microsoft workplace shoppers. Anyway some minor composition issue is perhaps about to show up and may be balanced physically that a number of the time are going to be tedious and hard too. OpenOffice does not have total facilitate for the new record styles created by workplace 2007 and 2010

- You ought to bear in mind that 2 applications ar incongruent with regards to programmed turntables or macros. the 2 applications have these highlights nonetheless since they're structured variously you cannot utilize them over the stage[1 2].

### Hardware Requirements

System requirements for both office suites are listed below

Description	OpenOffice.Org 3.0	Microsoft Office 2010 Professional
CPU	Any	500 MHz or faster
RAM	256 MB (Minimum) 512 MB(Recommended)	256 MB (Minimum) 512 MB (Recommended for Graphics features)
Hard Drive Space	650 MB	3.0GB
Operating System	Windows 2000 or higher, Solaris 10 OS, Linux 2.4, MaccOs X 10.4 Or higher	Windows XP3 or higher

- Both MS workplace 2010 and OpenOffice three square measure assets peaceful and perform fine on PCs with the foremost recent details. as an example, on the off likelihood that you just square measure utilizing a Core a pair of pair framework with 4GB of RAM, you'll encounter nice execution[3].
- OpenOffice three likewise offers higher execution on gone through PCs because the distinction with MS workplace 2010 nevertheless once managing advanced Microsoft styles OpenOffice execution turns into a chunk slower.
- **Following is a list of components offered by both office suites[1 2 3 4 5 6]:-**

Microsoft Office 2010	OpenOffice 3.0	Description
Word	Writer	Word processing program
Excel	Calc	Spread sheet program
Power Point	Impress	Desktop publishing Software
Access	Base	Database Manager
Publisher	Draw	Desktop publishing/Drawing
-	Math	Formula generation
OneNote	-	Digital notebook for tables and PCs
Project	-	Project management software
Outlook	-	Personal information manager/e-mail Communication

InfoPath	-	Design rich XML based forms
Visio	-	Flowchart & Diagram Software

#### 4. Technical Support

OpenOffice support is given through an internet discussion and network which includes shoppers and engineers and is mostly liberated from value. this sort of facilitate has advantages even as shortcomings in light-weight of the very fact that sometimes you connect with designers and find immediate info from the supply. the disadvantage is that sometimes they do not have the particular answers you're checking out.

- Microsoft workplace offers official facilitate foursquare from bonded Microsoft consultants counting on the legitimacy of your licenses. Microsoft has designed up master bolster answers for accomplish consumer fulfillment through their exceptionally structured decision places, sites and knowledge bases.

#### 5. (Module/ Packages) in Open Office and Microsoft Office

##### 5.1 MS WORD VS OPEN OFFICE WRITER

- MS Word and OO author each offer word handling utility and have all the elemental highlights like cut, glue, underline, striking, italic, so forth. MS workplace has some extra highlights like concealing content however usually speaking they furnish similar highlights.
- MS Word has coordinated language structure checking utility however OO author provides some of extra things which will be introduced for phrase structure checking but don't seem to be as robust as MS Word.
- MS Word records utilize exclusive highlights like extravagant text designs, advanced styles, and settled tables whereas OO author utilizes open space matter designs. once moving documents from MS Word to OO author abundant of the time, you ought to utilize basic matter designs, for instance, Arial and Times Roman to remain far from similarity problems. Then again, a number of text designs utilize the same name however square measure up to now contradictory[2 3].

##### 5.2 MS EXCEL VS OPENOFFICECALC

- MS excel and OO Calc utilize various phrasing for spreadsheets. MS stand out considers a document associate degree "exercise manual" whereas OO Calc considers it a "spreadsheet". Single tab of sheet in MS stand out is thought as a "worksheet" whereas OO Calc utilizes the expression "sheet".
- Several spreadsheets open freely in OO Calc whereas in MS stand out a couple of exercise manuals open within the ace window.
- In MS stand out you'll be able to open the number of sheets as indicated by your framework assets and accessible memory whereas OO Calc permits you to open 256 sheets.
- Formula capacities area unit comparative; you'll be able to perform same computations within the 2 applications with minor contrasts in equation structure. after you find the auxiliary distinction you'll be able to work along with your counts while not problems within the 2 applications. OO Calc rigorously follows your selected cell positions. {for instance|as associate degree example|for

example} on the off probability that you simply choose content arrangement for a cell and enter variety an incentive into it, this price are going to be treated as content in OO Calc whereas MS stand out can regard it because the variety price.

- Borders and concealing is one zone wherever OO Calc is feeble once contrasted with MS stand out. On the off probability that you simply utilize slender and thick outskirts and choose hues for concealing and foundation your call have to be compelled to be MS stand out for wealthy highlights right now[3][4].

### 5.3 MS POWER POINT VS OPEN OFFICE IMPRESS

The two applications area unit suitable building introductions consequently utilizing worked in wizards or have the choice to create manual introductions and slide seems.

- PowerPoint has better-quality enhancements, instruments for sound chronicle and portrayal, projection wizard, Notes Pain within drawing sees whereas OO Impress doesn't have these highlights.
- OO Impress bolsters Wav, AIF and AU music teams, underpins drifting windows, speedy access propelled includes in drawing mode and includes a hearty scope of impacts utilizing Font works in examination with MS PowerPoint

### 5.4 MS ACCESS VS OPEN OFFICE BASE

OO Base and MS Access area unit work space info applications. OO Base is love MS Access but they do not have indistinguishable highlights, in certainty embrace equity and configuration similarity is therefore extraordinary between OO Base and MS Access that they ought to not be thought of as a straightforward substitution of 1 another. once utilizing Windows adaptation of OO Base, you'll be able to get to tables place away in MS Access styles .mdb and .acddb however have affected question execution rights. within the event of UNIX and Apple OS variety of OO Base, there's no facilitate accessible for MS Access records. OO Base goes regarding as a frontend instrument for outdoor info servers like Oracle and MySQL utilizing JDBC or ODBC drivers. OO Base will likewise alter spreadsheets and CSV content data positions.

OO Base has enclosed highlights like referencing existing queries whereas creating new inquiries and utilization of macros within the bottom documents. These highlights area unit to boot accessible in MS Access[6].

### 5.5 MS PUBLISHER VS OPEN workplace DRAW

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OO Base goes regarding as a frontend instrument for outdoor info servers like Oracle and MySQL utilizing JDBC or ODBC drivers. OO Base will likewise alter spreadsheets and CSV content data positions. OO Base has enclosed highlights like referencing existing queries whereas creating new inquiries and utilization of macros within the bottom documents. These highlights area unit to boot accessible in MS Access. Like MS Access, OO Base has wizards that walk you thru the approach toward creating databases and tables. OO Base simply permits you to spare records in its base arrangement .odf and you will not have the choice to open these documents in MS Access, in distinction to totally different things in OpenOffice suite.

### 5.6 OPEN workplace maths

OO maths is another a part of OpenOffice which allows you to create scientific conditions and equations. commonly it's utilised as condition editorial manager for content reports but {you will|you'll|you'll be able to} use it for one more style of records otherwise you can utilize it individually[1 4].

#### Key Difference:-

Microsoft workplace may be a suite of varied applications, servers and administrations that was created by Microsoft Company for Windows and mack OS X operating frameworks in1989. OpenOffice is ASCII text file, free programming that's accessible to everyone on the market for transfer.

Microsoft workplace and OpenOffice provide things that square measure utilised for comparative functions. In any case, the 2 frameworks vary from each other. Microsoft workplace features a place with the Microsoft Company, whereas OpenOffice is free-source programming, which suggests it's on the market to general purchasers with the expectation of complimentary use and improvement. Microsoft is additional splendidly utilised than OpenOffice[2].



Microsoft workplace could be a suite of varied applications, servers and administrations that was created by Microsoft Company for Windows and raincoat OS X operating frameworks in1989. Microsoft workplace is totally possessed by the Microsoft Corporation and is made, tried, publicized and sold-out by the organization. In spite of the actual fact that initially, MS workplace simply enclosed Word, stand out and PowerPoint, it presently offers totally different varied applications and comes, as an example, Outlook/Entourage, Access, InfoPath, OneNote, Project, Publisher, SharePoint space (once within the past referred to as Groove), Visio, workplace Interconnects and workplace image Manager.

Microsoft Word created the doc style, that is that the true arrangement for golf shot away record documents on the computer. The new forms from workplace 2007 began utilizing another XML-based organization (Docx). The workplace framework is accessible in varied variants for varied shoppers, as an example, skilled, Home, and Student. The MS workplace programming charges a value on its product supported the price led to additionally to advantages. The new workplace 2013 has been acknowledged to discharge around Gregorian calendar month 2012. MS workplace is that the best programming accepted to be accessible offered for specialists World Health Organization need additional developed highlights

and offices[1 two three four five 6]. OpenOffice is ASCII text file, free programming that's accessible to everyone offered. Open workplace, recently named as Star workplace, was at first evolved as restrictive programming's, like MS workplace, by Star Division. In 1999, Star Division was gained by Sun Microsystems AND in 2000 Sun reportable that it absolutely was creating the ASCII text file of StarOffice accessible for nothing transfer to assemble an ASCII text file improvement network for the merchandise and as a free and open possibility in distinction to MS workplace. it absolutely was renamed as OpenOffice.org. Sun Microsystems was procured by Oracle in 2010, World Health Organization unbroken increase the merchandise and it's presently sold-out below the name Apache OpenOffice.

Apache OpenOffice offers programming applications, as an example, applications programme, computer program, introduction, illustrations, direction printer, and information the executive's applications. OpenOffice's default archive position is that the OpenDocument Format (ODF) for documents, however, it likewise will open and browse MS workplace styles. OpenOffice likewise offers the choice of frugal records and reports in MS workplace 2003 arrangements. The UI of the Open workplace is like that of the MS workplace 2003. OpenOffice is upheld on totally different stages, as an example, Microsoft Windows, Linux, Solaris, BSD, OpenVMS, OS/2 and IRIX and might likewise bolster over a hundred and twenty dialects. the subsequent important discharge on Open workplace can adaptation four and can incorporate codes from IBM from its Lotus Symphony suite. MS workplace offers applications, as an example, Writer, Calc, Impress, Base, Draw, and mathematics [1 2 3 4 5].

## 6. Unique features of Open Office

1. Math:-Formula generation.

## 7. Unique features of Microsoft Office

1. OneNote:- Digital notebook for tables and PCs
2. Project:- Project management software
3. Outlook:-Personal information manager/e –mail Communication
4. InfoPath:- Design rich XML based forms
5. Visio:- Flowchart & Diagram Software

## 8. Conclusion

Picking one workplace Productivity Suite over the various depends on your conditions, as an example, highlights and quality, the similarity together with your instrumentality and programming condition and consumer making ready wants.

For big business organizations Microsoft workplace suite incorporates a slight edge over OpenOffice with some of its most up-to-date highlights and quality but OpenOffice is in addition up fast with every new discharge and might be your call within the event that it fulfills the perfect wants of your association.

For private firms and residential shoppers, OpenOffice offers a lowest list of capabilities and got to be unambiguously thought of as a free choice to Microsoft workplace. OpenOffice likewise furnishes tons of similarity selections with MS workplace suite which might profit home shoppers.

By and enormous, OpenOffice is a unprecedented workplace programming suite. It matches and currently and once more very beats the estimation of Microsoft workplace, and at zero value, it's Associate in Nursing astounding call for everyone. Yet, within the event that you just want additional highlights and want to take care of a strategic distance from any similarity problems (particularly within the event that it's important in your work), at that time you got to associate with Microsoft workplace.

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