

-> How papped works?	1.7	
Deployment models		which of page 10
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	administration	logs who pupped moster

to create / change proped codes.

have multiple agents setup with pupper agents installed on them the communication blu marter l'agent is by seeme cuffificales. Pappet Moster allow us a secure connector blu mester l'agent via por 8140 It should be open part on marker.

communication is done in 3-step processi-

Ofacts once the connections is setup blue agent I marker to agent sends date to pupped menter server called facts. This infortunate hostname, ipaddown of file name. . etc.

pupper uses this facts & compiles the list with the configurations to be applied to agent. This is known as 2) Catalog. This could change as a package implication & App 12/00 Junion approtes of removals, for serve reboot, ip confo, etc.

I desired chare. The Agent uses <u>Catalog</u> to apply required configu changes on the nodes. If no dost in configuration this agent is not performs any changes I leaves the server on same.

After receiving catalog from master, pupper agent responds immediately to the changes by exceeding the configuration drifts. Once done the node reports back to the pupper moster, indicating configuration has been applied & completed. Pupper provides flessibility to integrate this reports with 3rd party tools with pupper API's.

Suppose we have 500 servers, we need to creeke user property. To dogin to cach come I addres use the ourmers a comment to create use is definitely

So better approch is to write a script I let script perform the execution on a lage number of serves.

But now we have 500 serve with 286. Of the conserve Ridhts Ubut... So commend to add one might be diff acal to OS. So here we can use configuration management tool Wa Ruppel

Later to day consomb Paralle

Is with pupper code that to ever of a yespriyerka": Cosure = " prevent"

to delete Juser of "prigente": ensure > "abject"

NTP Package Installation package of "nup": ensure = "present", #NTP file configuration file of "lete Intp. conf": ensure s' present ", content = " send o. centos. pool \n'; 1 #NTP service stocker Service ("nepd": casus > "running",

-> Pupped Resources

are the building blocks of puppet. Resources are an inbuilt furtherns the runs at the back end of to perform underlying operations in preprit.

They contain individual operations that can be performed with Pupper such, file resource appe. To work with files & directories Service RT to manage applit services & usu RT to manage usos etc.

Lo class

A combination of different resources & operations can be grouped together into a single unit called class. Think of it as multiple small operatures working towards a single larger goal such as everything required to setting up webs sensus in web sensu.

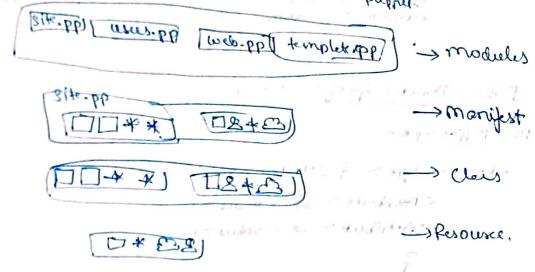
4 manifest

" is a directory containing pupper DSL this with prestensing -PP -> puppet program. The puppet code crusists of definations or declarations of Puppet Classes.

L> Modules

n are collection of files & directories such as Manifests, will definetions and any other dependent files that work together a tollow specific directory structure. They are the re-usable & should inall pupper. Eq: mysel module to install & configure mysel to Fertilia mathe to manage....

which resources as functions that performs individual touts such as creater and multiple such functions are assessly organized into Class. We surely object by the normal warry. Think of this a manifest in pupper. Multiple such related pythen file and any separature packages required by them can be packaged into a uplaced in pythem. There can be should & re-usable files with other or can be uplaced only what you can reade to modules in pupper.



of approximation

- Pupper Resource

automate almost any IT operations & tasks.

prefer redow tasks & operations on any supported platforms Puppet Resources are completely compatible with any standbone, VM or any cloud env.

Puppet dips with muniple inbuilt resources types some of them are

There are 3 resource types.

Some on bull in resource types which are pre-built pupper resource types are always types shipped with pupper tochitecture. These are marked by Papper team. It if a combination of existing resource types. There are known as defined never types. There are known as defined never types there are known as defined never types. There are known as defined never types there are known as defined never types aware types.

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Some prior exposure to Ruby Conquer is highly recommed.
 Commands
  -> pupper Help OR pupper -help La help comment.
  -> pupper help resource OR pupper resource -- help
                                            whist all actions
  - puport resource - types Lo list all sesource byers.
             subcommel actions
                 1 Part 1 - 192 . S. GT W. 199- 199
 -> DSL - Domain Specific Longuege.
   DS2 -pupper-syntos
     < Resource bype> & < Title >:
            <Attribute> > < value>)
           <Athibute> > < value>,
       file of "/exclouptions"
           ensure => "present",
   content =1 " sener- poolontp.org/n/100
        year of the Grand of the day
       on Ex from beckside
Code Creation prous
                  my pro no writeryo 7
  create w check the Test
                         (bubber abby -- was)
        pappet passer validate
                             is troise of they re not
   -> puppet Resource Li inbut functions
   -> pupper Resource type (3) -core (builton, defined & custom
   pupper describe L) detailed no about resource him
       Pupper parse is used to puform synten heres or popper pages
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# puppet pager validate demouse. pp
4 lan derno apply.
 A puppet apply demouses.pp -- noop
 # pupper apply demouse.pp
sto check any
 # id priya
                               qualificant fire any of
ager id = --- (pm) gld= () genps===.
- for deleting
  # usudel priya
                                                    FAMIL DO
  # id priye
 use not fourth
 then apply again
                                      specifical sound fraction of er o
   # pupper apply demouse p.P
  Hid prize
  19 = ----
   # clean.
 lets change wid I shall of existy were.
   # grep - Priya letel passed
   # vi demans.pp
       are of "prige";
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```

Al papert posses volidate demount pp Al papert copply demount pp need Al papert copply demount pp Al ph comp i progre lest pound.

lets create some test file

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grep -1 prive letelpassed.

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ils -lot. (var/trop) testile.

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the Lete.

It cheer ...

Code to install some package that taket-pp package of