onD evelopm ent

inesterm inobgyusedt

anybusiesspiccesshat

kim ostdonew hweb-

nestrikkheiinternal

landexblow orkm ore

pectionsofieicusom ers

ictueFordevelopingsuch

EE and NETThem ain

feBusiness and Nier

f2EEandNETechnobgy

ebpm ent(eBusiess) on

hatuppotenddriebusiness

41 A R olO J2E EA ndN en EnterprieL eveA pplat

GouravRawal SurdPat

A bstact

Eneppielvelipplaiondevelopm entre conseBu decolorhaiform aionsytem sundupplaions processesuing webtechnologieseBusinessm eans retsonanautom atedinform aionsytem Thitus basedtechnologieseBusinessm ehodsenablecom pa andertemallatiprocessingsytem sm oregjent doselwilisupplexandsaiftheneedsandex ApplaionsofBusinesaudbasedonNieauch typesofupplaionshere aretw o approaches—J2 objecte of this paper is to presentine concepto auchtectureasw distopresentinecom pationo for developing he enterpriselvel applaion dev specificitiu

Keywords eBusiesNeachictue22EEN, ET

11ntrodución : Now aday'seB usinessaysem hasbeenverypopular sincehernet and WoldWideWeb came outeB usitess may be def ned ashe applaion of inform abnandcom m unicabnechnobgesisuppo officiation Electronic businesson ethods enable com panistoli kheinenalandexenaldat processingsystem sm occeffent/andfexibly tow okm occubely winsupples and patters and to betraily the needs and e xpectionsofheicusom ese-Busiessenstern orstelgibuswiharem p hasionhetinoionshatocuusing etanicapatis B usiesinvolvebusie sprcessespannighenitvale chain : electonic purchasing and supply chain m ana gem entprocessing orders etabnial/handling custom esservice and coop eating with business pathese-B usiness softwate solutions abow he integration o finta and interfer business processes B usiness an beconducted using he W e behendhendExtenes orom com binabrolfiese **[**]. Theading of Businesscan bediviled in the recategoirsbaredonend+userof tensationsOn he henethebusinessB usi nessoConsum erand Businesso-B usinesshabusinessacity sharecom panyinf orn abnandcom puingesources between em pbyees on he hønet Busiesso Busi ness adviv in proves interoganizabnabaheshipsndelibnshipB usi nesso Consum exitipovilethe servicesheconsum esv hoæputobiganizat on.

.kvæspecijl/2EE(kv2/2EntepisEction) wild/usedtehnobgytodevelopsevesilewelos oneedionof/avahajahformidependentan heproductof *SunM* icosystems T1 Business system sforboh a developmentand sever operingsystem sforboh a developmentand sever operingsy

2eB usinesA related ure(N -T ir)

on dibuin of functions between two types of i processesServeandCinA diminyproce heaveprocessA severaproceshaprov CentradServeprocessesanesileisam ecom p by anew oktoaseo fy o end nervern od separtlybidatbasequersandupdatsandbr interceptesentionThenetworkbindshebackand both in the same that we have denterverapplaionhasanum berofbusiness hosentecanesileatheheatnoat as he applaion developm entis done on he den applaingsv eksimiletokte siceactiabrcessingoflattikesonheem of ovenerw of The addition of the individualPCeeachapplaionsboundtoan applaionbgicanndbæused[2]

oA SP(A cireSevePages)nabeen ystem sbeB usiness2EEihe dobjectoinntellanguage-Javais Theefor2EE isagoodatnaize6builing r site in Linux and W indow s 2EE aebuilW indow sO pearing em M insofC oporton provides nscould beint grated w linhe abnashepreduckT heefor, nW indow sO pearing System sh jused eB usiness developm ent escapproach or the basis feveral she fundam entaler hinture ofe-

Theadinalinterveachiousibased ndependent and autonom ous shatquesspectreviesform ilesequestdservies6thedent utorid Eentom putrikked deapplainprocessingidone businessbegieprocessinganduser endofinapplaionthefonend athew or achievable nesequiedobeprocessedien heervehczeofy otrachictue. tside, m aintenance cost of xpensivencascofiv oterchicate, diffedathatobetinspoted ksesA pplaionsebadedon individuaPCFothiseasonhe



Fight wo-Tiet in Server M odel

e-

TheN **eachic**teppovilesm odebrieveb applabrB ybrakingupanapplatininte addapediliyezhehanhavetorew **e**t achictue spilhe solibn processito dE requiem ensThem ain advantgeofusingN **e**ar associted w linebusinessancheprocessied etm entspectrm ancesalbljanditutelev w hendeailingonheachicturolicapplab [3] percentralisticitandeusicit islevelopersoni/havetom odljor hænitapplatonoveiTheN ér entprojetsbæed on he business chritetistikalhecom plesty uædandizsytow oksw liThe elopm entuesneedbæonsileæd ndependingonhepinisequied



Fig2N in Architecture

TheN explain hastes pesention ordiventeracts with heatiged bebw an Pesentionhyeicsponsibliothyingus us Program m eusebaligebiles gringpup Thebusinessayew oksasm ediabatenser 3 inchictuched at accessive not na The achieven A SPN ET indudes using SqC in updatanddettedation datbasesndpasingt ayeinD at R eaderoid at Set big The dataly łyczndendühedatbaeogehedat businessityeiTheeaem anybusinessbenefic sm abusinesscanbeginrunningalsonasin increases achieven beexpanded and moved bi This nexam plothow how he N is a chief costationapplaion builing The N icac becausthersinoingtpointflueTes

ibusinesianddatiEathir dhaspedfindonopeform. einenfacteräheprogram m errend osendegåterlatbackandbh. helation peentionly the denterativ linepesentionhyer torO &D bobjesto nerve, hedatetevedbhepesention egethedation hebusies for hedatbæandendethe N eachiette Forexam pla sem achineA staff and business sow nm achineandhenduseed. utin provescalibilandsuppot hicturem akeappitaionm oerobust functionw litelity independence The

N ém odaliom akesapplainsm oceadable ofcodeC usom agsand EJB sae eacht poto m antinedem pletsTheN éachtictueoEr Sevenchnobgyhatpaw nedhehendsf w ebisy ebapplainow ebewief4]

3U2E E: Javaiepogam miginguagehahabeendeveb

 dibutdenvionm enoliehtendavacanc
 eatappil

 betw eendintandeweinaetw oktavaour
 cecodein

 lavaintepetrhen executshisbyte code form a
 fat

 envionm entrin on a Java V inalM achines Javais
 fat

 anguagesbiw okingonheW othW deW ebanche
 dra

 m odeß forw okingondibuted networks JavaA P
 fat

 bytecodes Java2pliform EnteprieE dim (2E
 E (2)

 achitette [5]
 .2EE is a technology hat aim s to sin ply he desi

 im plem entitionenteprizeplation [5]
 .

 Them aireasorifheevolibro Enteprizepp
 tabufam

- N exclationerew technologisspecialin provem
- N eedto handle com plex low evekletinheent secutions adoppices in gandmulheadin
- Evolionandpopulity of wiley accepted concept com ponerita sed of water a sedevelopm ent

JZE Ehahexended A Pliom Javaphorn sind com ponenform pljinghelevebpm entydby behaviolikindudehefatuesolavapl independency and objeconned languages A paff echnobgissuch as Entepie Java Beans (EJB) (Re Java Namingand Dietoryhteface (ND Java Da Messaging Servie (MSJava Servitsand lava Ser JZEE achietueisam uled achietue T following [8]

Cinter- The diministrative line use and diplay system to be used The JZEE platform supported for HTM Lain strate platent live applications

- Webler- Thewelingenerate presention by ian chacep hepresention densy hill and TM Lahal, Based on here existent and the present terms and t
- Businessingrovileshenecessary intercesto componental hebusinessom ponentarin plan ented

andeusabilikduceheam ount eadableapplaionsin wel sinnovaionsinhestindardCeht Theseaeusedodevelopdynam ic

pedspeafal/óhe ratappiainshatechibuted eccodeisom picintbytecodeA itavanteprets and runin e one ofhern ostwelsuid ehstevern odellepin ay karaseofoulibaisas E)defieshestindardforN er

gn and

daionfam ew oiksteafoibw s

entonwettechnobgis nentepieappitainske g. skeNietachictuesand

adedividexedorhe2EE provilinghedetiofippheton aform standardedionsuch aphform rom hese.2EE includes m any m oeM chood hyocaton (RM), abaseC onnecity((DBC), ava vePages(SP);ndX ML[7] he.2EE architetreconsisofie

The

sinform abonform he eentypesofolmtincluding

streesponseform avapplishdoherw ebahns ionitgeneatesheapproprite heIZEEptiformservitshndISPsin

> expplainThe heundelying businesservie aE.IB.com ponents

• EIStr- EIStiseponsblobheentepienform at datbase system stansation processing system sl resourceptinningsystem s ionsystem signification in the state of the



Fig3J2EEA pplatonM odel

JEE hasbeen very populatoim plem enteB usiess platorm independention ceptinch ashigh eperform and PelM incosofC opportion's A SPN ET is anothe B usiness application should be for the state of the Theefore JEE hasbeen most oppulator buckeve current naket

4NET: M icosofC oportion is very popular bidevelopin applains in he personal com puterm alkel M ico W indow servern akabuitobausedonico sin åtabigandindependenturlitat interceofoperationproperty and event M icroso V suaStudio havebeen used fordeveloping eB usin W offW deW ebH ow evente M insofapplains operingsystem herefore M inconfishehuge JEE. Therefore, M inconfigurented NET. W In NE com petw liandovel2E EieB usiesspplab TheN ETfam ew oksuppotn ulnguagefah C++C###InguageThecodew finianyone M SL (M insoffterm edite Language Code) N ets obusinevendm uil Teoppi M icrosoft ET of Estinguage independence and lang hem ontiguing and fundam entalspects) NET carbew infoexam pipailinV BN ETt, C#INETheourecode instead of SL andknabgoutolavabyteode The Common Language Runin e CLR executsprogram advats objects perform s security checks execut

applæbn becauseisuppot ancæom paingtheC G slysem s rcom pæbrfördevæbpinge-W indow ssysem w InFow ebserver løpingeB usnesssysem inhe

ghew indow sbased sofnotonly focused on he m ponentsuchCOM Com ponent providesting on backnew hand A SPN ET and ohedra guages of essapplaionson henerand m and depend on W indows m akedeB usinessystem against T fam ew ok.M insofan nsndw eberviesm akes eNET fam ew orksupport B, ofiestinguageiconvetcino in plishe developm entof abn (91 uageintroperabilioneof phormAsing NET com ponent heN ET version of V sual ariand This SLoodenguageneural onwebseveTheCLR es hem and handles gabage

collabriTheCLR isothim ew oklasedsse datandXML claseplus no heliyeofilises form sindwindow form \$[0] show edbyanaddionallyeof intendedforw ebserviesandw eb



FigN E TF ram ew ork

5J2EEv\$NETL anguageSupport-

hacom ponentlepbyechtalZEEdepbym entn ust JZEE ishe entepie edin of Java. ZEE provil depbym entv lihæntepieA PlkeID B C.N D I A Plæusedboonnectalavasourecodebdat accesschibutdobjcsTheServHA Plæus esponsebetw een ahnand severThe. JSP æuse integrathe presention bejr whith TM L docum ent executhern ehodsofterm otobjcstonnetw or fatuesw earsayJZEEisgoodsolibrotB u N ETKoptform independentpplabrasZE inguagessuch asC ++,V B A SP,C # and J# can iter farm ew okTheselinguageshave.com plishatupp R unin eL bary[11] JZEEprom otskvæenkom puhgandal bew únihekvalnguage esentprie developm entand ŞevdiŞPE.IBetTheID B C bæETheIN D IA Plæusedo edohandiheH TTP equestand do cæatadynam i pageto sTheR M IA Plæusedo ksThuspnhebæiofaltee sinessystem s EB exikisæesingprogram m ing operateach oherin N ET otin ET fam ew ok C om m on

Phform Independency—	Javaiapliform independenprogram m	niganguage	v
Java Vital M achine provided by Sun	n M izosyste m s	The Java source codes are	
com pidintalavabytecodesThelavaB yte	xodes	couldbernnonanyphorm ke	
LinuxorW indow servionm enjuw h	ithbeplatim	hashelavaVitaM achine.	
NET fam ew okstoacheveplaform ind	lependency	butworksonlyonwindows	
envionm ent			

Security— hhew oftofhenescurityiabigisue. security contributions may at A cess C ontoland D disabw an operation based on toe orden field contribution either also advected advected advected advected advected advected advected advected by a support of the security.

J2EE supportv otypesof echaite A cess C ontoll To oniscald hededative access ew heheronotnoperation an be an behandled by program m aic codevertiation and polybased wĥ

N E Takauppotev ot pessiscuif CodeA cce The CodeA ccess Secutivn earshaber nin eper is executed by analyzing hern etchatand com paing sing sandduing II com plion The Rob Based Window to day Once are at bis not sign perm

Perform ance: hN ETipern editelinguage(L) ijushin e code and executed h. DEE he kava by e code isi intepringishw chanexeculignat/ecode, bathan DEE appliabns

6.C onclusion: hhispapeage edescibe the conceptor fN ear Business IZEE and N ET is he two most popular app applications in N each inclue IZEE specific and in one open education and in plan ent hespecificities of the obschandly ET plan There for in plat dependent in the specific of the obschandly ET plan There for plat dependent in the specific of the obschandly in the specific of the obschandly ET plat in the specific of the obschandly ET plat in the specific of the specific of the obschandly ET plat in the specific of the obschandly ET plat in the specific of the specific of the obschandly ET plat in the specific of the specific

R eferences

- 1. httenwikipediog/wikiEdatonic_business
- 2. A n http://www.action.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/actionale.com/a
- 3. http://www.second.com/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/actives/activ
- 4. hp/w w wexfisyssom ///inikintervent achieute/lhm l
- 5. 'IavaPitomEnepitEcion(2EE)",p:
- 6. M incosystem \$4,2003)
- 7. hpt/www.exforsyscom.t/bing?eeg2eeovervie
- 8. JZEEPotsionaProjcShadabSildiquindPal
- 9. Java2Phform EnterpiceEditnPhform and Bhishannon,MarkHapnetVadaMatena,JamesDavi LiopalitanyCable

sSecutjandR ofB ædSecutj. form secutjchecksbefoecode heaccessequestbhesystem Secutjsianiteaw hihusedin sjonstherm.

com pldonate nepetd by he JV M Sice applaionsw fnon N ET peforn

chictue ofeoaches fordeveloping he ion provided by Sun M izosystem s .DE E applicionservehan ath iproducto M izosof Coportion. products

ChandraY adav, Sanjay

chiccueinaspnetutm 1 ioseinserver

javauncom ZeeSun

whatml

łwin Com ponenSpediabnby dsonEduardoPałgi

- 10. NETFram ew orkEsentifs, ^{r1}EctionByHoangLamThuanLThai
- 11. Program mingA SPN ET2, ndEditrbyD anH utwitessLbety</sup>
- 12. 'Got Dot NET (NET Fram ew ook Webre'), hpt/www. tam ang/nicosofCorporatin(2003)

gotlonetom /