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# Customer Queries:

## customer name and customer contacts (contact person,contact mail,phone number etc)

SELECT hp.party\_name customer, hp1.party\_name contact, hcsu.site\_use\_code

  FROM hz\_cust\_accounts\_all hca,

       hz\_cust\_acct\_sites\_all hcas,

       hz\_cust\_site\_uses\_all hcsu,

       hz\_cust\_account\_roles hcar,

       hz\_relationships hr,

       hz\_parties hp,

       hz\_parties hp1

WHERE hca.party\_id = hp.party\_id

   AND hca.cust\_account\_id = hcas.cust\_account\_id

   AND hcas.cust\_acct\_site\_id = hcsu.cust\_acct\_site\_id

   AND hcsu.contact\_id = hcar.cust\_account\_role\_id

   AND hcar.party\_id = hr.party\_id

   AND hr.relationship\_code = 'CONTACT\_OF'

   AND hr.object\_id = hp.party\_id

   AND hr.subject\_id = hp1.party\_id;

## Customer Address

SELECT /\*+ INDEX(ACCT\_SITE,HZ\_CUST\_ACCT\_SITES\_N2) \*/ site.location,

party.party\_name customer\_name,

party.party\_number registry\_id,

site.site\_use\_id organization\_id,

site.location location\_code,

loc.address1 address\_line\_1,

loc.address2 address\_line\_2,

loc.address3 address\_line\_3,

decode(loc.city, NULL, NULL, loc.city || ', ') || decode(loc.state, NULL, loc.province || ', ', loc.state || ', ') || decode(loc.postal\_code, NULL, NULL, loc.postal\_code || ', ') || decode(loc.country, NULL, NULL, loc.country) address\_line\_4,

loc.address4 address\_line\_5,

ar.meaning site\_use\_code,

cust\_acct.cust\_account\_id customer\_id,

cust\_acct.account\_number customer\_number,

cust\_acct.account\_name account\_description

FROM hz\_cust\_acct\_sites acct\_site,

hz\_party\_sites party\_site,

hz\_locations loc,

hz\_cust\_site\_uses\_all site,

hz\_parties party,

hz\_cust\_accounts cust\_acct,

ar\_lookups ar

WHERE site.site\_use\_code IN('SHIP\_TO', 'SOLD\_TO', 'DELIVER\_TO', 'BILL\_TO')

AND site.site\_use\_code = ar.lookup\_code

AND ar.lookup\_type = 'SITE\_USE\_CODE'

AND site.cust\_acct\_site\_id = acct\_site.cust\_acct\_site\_id

AND acct\_site.party\_site\_id = party\_site.party\_site\_id

AND party\_site.location\_id = loc.location\_id

AND acct\_site.status = 'A'

AND acct\_site.cust\_account\_id = NVL(:parameter.lov\_num\_param1,acct\_site.cust\_account\_id)

AND acct\_site.cust\_account\_id = cust\_acct.cust\_account\_id

AND cust\_acct.party\_id = party.party\_id

AND cust\_acct.status = 'A'

AND site.status = 'A'

ORDER BY site.location

## Query to list Customer (Party), Account, Site data

As my client was going through its customer related data clean up in its Oracle R12 applications, I wrote the following query to retrieve all the information that were needed to provide a list of its customer (party), account, site, address, collector, and other related information.

--=============================================================================

-- Filename : Customer Data Query

-- Programmer : Abul Mohsin

-- Date : 29-Oct-2012

-- Language : SQL

-- Module : AR

-- Purpose : Lists Customer (Party), Customer Account, and Customer Site

-- related information.

--=============================================================================

SELECT

----------------------------------------------------------

-- Party Information

----------------------------------------------------------

hp.party\_number "Registry ID",

hp.party\_name "Party Name",

hp.party\_type "Party Type",

DECODE(hp.status,

'A', 'Active',

'I', 'Inactive',

hp.status) "Party Status",

----------------------------------------------------------

-- Account Information

----------------------------------------------------------

hca.account\_number "Account Number",

DECODE(hca.status,

'A', 'Active',

'I', 'Inactive',

hca.status) "Account Status",

hca.account\_name "Account Description",

hca.customer\_class\_code "Classification",

DECODE(hca.customer\_type,

'R', 'External',

'I', 'Internal',

hca.customer\_type) "Account Type",

----------------------------------------------------------

-- Site Information

----------------------------------------------------------

hps.party\_site\_number "Customer Site Number",

DECODE(hcas.status,

'A', 'Active',

'Inactive') "Site Status",

DECODE(hcas.bill\_to\_flag,

'P', 'Primary',

'Y', 'Yes',

hcas.bill\_to\_flag) "Bill To Flag",

DECODE(hcas.ship\_to\_flag,

'P', 'Primary',

'Y', 'Yes',

hcas.ship\_to\_flag) "Ship To Flag",

hcas.cust\_acct\_site\_id "Customer Acct Site ID",

----------------------------------------------------------

-- Address Information

----------------------------------------------------------

hl.address1 "Address1",

hl.address2 "Address2",

hl.address3 "Address3",

hl.address4 "Address4",

hl.city "City",

hl.state "State",

hl.postal\_code "Zip Code",

ter.name "Territory",

----------------------------------------------------------

-- DFF Information (specific to client)

----------------------------------------------------------

hcas.attribute4 "SMG Key",

hcas.attribute8 "GLN Key",

hca.attribute3 "Credit Approval Date",

hca.attribute7 "Credit Approved By",

hca.attribute4 "Acct Opened Date",

hca.attribute5 "Credit Collection Status",

hca.attribute1 "BPCS Last Trx Date",

hca.attribute2 "BPCS Avg Pay Days",

hca.attribute6 "BPCS RCM Reference",

----------------------------------------------------------

-- Collector Information

----------------------------------------------------------

col.name "Collector Name",

----------------------------------------------------------

-- Account Profile Information

----------------------------------------------------------

hcp.credit\_checking "Credit Check Flag",

hcp.credit\_hold "Credit Hold Flag",

hcpa.auto\_rec\_min\_receipt\_amount "Min Receipt Amount",

hcpa.overall\_credit\_limit "Credit Limit",

hcpa.trx\_credit\_limit "Order Credit Limit",

----------------------------------------------------------

-- Attachment Flag

----------------------------------------------------------

NVL((SELECT 'Y'

FROM fnd\_documents\_vl doc,

fnd\_lobs blo,

fnd\_attached\_documents att

WHERE doc.media\_id = blo.file\_id

AND doc.document\_id = att.document\_id

AND att.entity\_name = 'AR\_CUSTOMERS'

AND att.pk1\_value = hca.cust\_account\_id

AND ROWNUM = 1), 'N'

) "Attachment Flag",

----------------------------------------------------------

-- Party Relationship Flag

----------------------------------------------------------

NVL((SELECT 'Y'

FROM hz\_cust\_acct\_relate\_all hzcar

WHERE hzcar.cust\_account\_id = hca.cust\_account\_id

AND hzcar.relationship\_type = 'ALL'

AND ROWNUM = 1), 'N'

) "Party Relationship Flag",

----------------------------------------------------------

-- Account Relationship Flag

----------------------------------------------------------

NVL((SELECT 'Y'

FROM hz\_cust\_acct\_relate\_all hzcar

WHERE hzcar.cust\_account\_id = hca.cust\_account\_id

AND ROWNUM = 1), 'N'

) "Account Relationship Flag",

----------------------------------------------------------

-- Party Contact Flag

----------------------------------------------------------

NVL((SELECT 'Y'

FROM hz\_parties hp2

WHERE 1=1

AND hp2.party\_id = hp.party\_id

AND (

hp2.url IS NOT NULL OR

-- LENGTH(TRIM(hp.email\_address)) > 5

INSTR(hp2.email\_address, '@') > 0 OR

hp2.primary\_phone\_purpose IS NOT NULL

)

), 'N'

) "Party Contact Flag",

----------------------------------------------------------

-- Account Contact Flag

----------------------------------------------------------

NVL((SELECT 'Y'

FROM hz\_contact\_points

WHERE status = 'A'

AND owner\_table\_id =

(SELECT hcar.party\_id

FROM hz\_cust\_account\_roles hcar,

ar\_contacts\_v acv

WHERE hcar.cust\_account\_id = hca.cust\_account\_id

AND hcar.cust\_account\_role\_id = acv.contact\_id

AND hcar.cust\_acct\_site\_id IS NULL -- look for account level only

AND ROWNUM = 1 -- add this row to show inactive sites (i.e. with no site id)

)

AND ROWNUM = 1), 'N'

) "Account Contact Flag",

----------------------------------------------------------

-- Site Contact Flag

----------------------------------------------------------

NVL((SELECT 'Y'

FROM hz\_contact\_points

WHERE status = 'A'

AND owner\_table\_id =

(

SELECT hcar.party\_id

FROM hz\_cust\_account\_roles hcar,

ar\_contacts\_v acv

WHERE hcar.cust\_acct\_site\_id = hcas.cust\_acct\_site\_id

AND hcar.cust\_account\_role\_id = acv.contact\_id

AND ROWNUM = 1 -- add this row to show inactive sites (i.e. with no site id)

)

AND ROWNUM = 1), 'N' -- any contact (email, phone, fax) would suffice this condition

) "Site Contact Flag"

FROM

hz\_parties hp,

hz\_party\_sites hps,

hz\_cust\_accounts\_all hca,

hz\_cust\_acct\_sites\_all hcas,

hz\_customer\_profiles hcp,

hz\_cust\_profile\_amts hcpa,

hz\_locations hl,

ra\_territories ter,

ar\_collectors col

WHERE

1=1

AND hp.party\_id = hca.party\_id

AND hca.cust\_account\_id = hcas.cust\_account\_id(+)

AND hps.party\_site\_id(+) = hcas.party\_site\_id

AND hp.party\_id = hcp.party\_id

AND hca.cust\_account\_id = hcp.cust\_account\_id

AND hps.location\_id = hl.location\_id(+)

AND col.collector\_id = hcp.collector\_id

AND hcas.territory\_id = ter.territory\_id(+)

AND hcp.cust\_account\_profile\_id = hcpa.cust\_account\_profile\_id

----

AND hp.party\_type = 'ORGANIZATION' -- only ORGANIZATION Party types

AND hp.status = 'A' -- only Active Parties/Customers

----

-- following conditions are for testing purpose only

-- comment/uncomment as needed

----

-- AND hp.party\_number = 11530

-- AND hca.account\_number = 32253 --32396 --31753 --32253 --31038

ORDER BY TO\_NUMBER(hp.party\_number), hp.party\_name, hca.account\_number;

## Queries to Fetch Customer Contact Details

SELECT hr.relationship\_id,

hr.subject\_id,

hr.subject\_type,

hr.subject\_table\_name,

hr.object\_id,

hr.object\_type,

hr.object\_table\_name,

hr.party\_id rel\_party\_id,

hr.relationship\_code,

hr.comments rel\_comments,

hr.start\_date,

hr.end\_date,

hr.status rel\_status,

hr.relationship\_type,

hr.created\_by\_module rel\_created\_by\_module,

hr.percentage\_ownership,

hr.content\_source\_type rel\_content\_source\_type,

hr.actual\_content\_source rel\_actual\_content\_source,

rel\_hp.party\_number rel\_party\_number,

hoc.org\_contact\_id,

hoc.party\_relationship\_id,

hoc.comments org\_cont\_comments,

hoc.contact\_number,

hoc.department\_code,

hoc.department,

hoc.title,

hoc.job\_title,

hoc.mail\_stop,

hoc.decision\_maker\_flag,

hoc.job\_title\_code,

hoc.reference\_use\_flag,

hoc.RANK,

hcar.cust\_account\_role\_id,

hcar.party\_id acct\_role\_party\_id,

hcar.cust\_account\_id acct\_role\_cust\_account\_id,

hcar.cust\_acct\_site\_id acct\_role\_cust\_acct\_site\_id,

hcar.primary\_flag acct\_role\_primary\_flag,

hcar.role\_type,

hcar.source\_code acct\_role\_source\_code,

hcar.status acct\_role\_status,

hcar.created\_by\_module acct\_role\_created\_by\_module,

hp.party\_id,

hp.party\_number,

hp.party\_name,

hp.party\_type,

hp.validated\_flag,

hp.salutation par\_salutation,

hp.status par\_status,

hpp.person\_profile\_id,

hpp.party\_id per\_party\_id,

hpp.person\_name,

hpp.person\_pre\_name\_adjunct,

hpp.person\_first\_name,

hpp.person\_middle\_name,

hpp.person\_last\_name,

hpp.person\_name\_suffix,

hpp.person\_title,

hpp.person\_academic\_title,

hpp.person\_previous\_last\_name,

hpp.person\_initials,

hpp.known\_as per\_known\_as,

hpp.person\_name\_phonetic,

hpp.person\_first\_name\_phonetic,

hpp.person\_last\_name\_phonetic,

hpp.tax\_reference per\_tax\_reference,

hpp.jgzz\_fiscal\_code per\_jgzz\_fiscal\_code,

hpp.person\_iden\_type,

hpp.person\_identifier,

hpp.date\_of\_birth,

hpp.place\_of\_birth,

hpp.date\_of\_death,

hpp.gender,

hpp.declared\_ethnicity,

hpp.marital\_status,

hpp.marital\_status\_effective\_date,

hpp.personal\_income,

hpp.head\_of\_household\_flag,

hpp.household\_income,

hpp.household\_size,

hpp.rent\_own\_ind per\_rent\_own\_ind,

hpp.last\_known\_gps,

hpp.known\_as2 per\_known\_as2,

hpp.known\_as3 per\_known\_as3,

hpp.known\_as4 per\_known\_as4,

hpp.known\_as5 per\_known\_as5,

hpp.middle\_name\_phonetic,

hpp.created\_by\_module per\_created\_by\_module,

hpp.actual\_content\_source per\_actual\_content\_source,

hpp.internal\_flag internal\_flag

FROM hz\_parties hp,

hz\_parties rel\_hp,

hz\_person\_profiles hpp,

hz\_relationships hr,

hz\_org\_contacts hoc,

hz\_cust\_account\_roles hcar

WHERE hoc.party\_relationship\_id = hr.relationship\_id

AND hr.subject\_id = hp.party\_id

AND rel\_hp.party\_id = hr.party\_id

AND hp.party\_id = hpp.party\_id(+)

AND hpp.content\_source\_type(+) = user\_entered

AND hpp.effective\_end\_date IS NULL

AND rel\_hp.party\_id = hcar.party\_id(+)

AND hoc.party\_relationship\_id = hr.relationship\_id

AND hr.subject\_table\_name = 'HZ\_PARTIES'

AND hr.subject\_type = 'PERSON'

AND hr.relationship\_code = 'CONTACT\_OF'

AND hcar.cust\_account\_id = vl\_cust\_account\_id

AND hcar.cust\_acct\_site\_id = vl\_acct\_site\_id

## Ship To Customer Address

Use below query to fetch ship\_to address for a Order or Invoice

For Order join hcsu.site\_use\_id = order.ship\_to\_org\_id

For Invoice join hcsu.site\_use\_id = invoice.ship\_to\_site\_use\_id

SELECT hcsu.site\_use\_id

,hcsu.location

,hcas.cust\_acct\_site\_id "address\_id"

,hps.party\_site\_number

, hl.address1 || ' ' || hl.address2

,hl.city

,hl.state

,hl.country

,hl.postal\_code

,hcsu.bill\_to\_site\_use\_id

,hcsu.contact\_id

FROM hz\_cust\_accounts\_all hca

,hz\_cust\_acct\_sites hcas

,hz\_cust\_site\_uses hcsu

,hz\_party\_sites hps

,hz\_locations hl

WHERE 1 = 1

AND hca.cust\_account\_id = hcas.cust\_account\_id

AND hcas.cust\_acct\_site\_id = hcsu.cust\_acct\_site\_id

AND hps.location\_id = hl.location\_id

AND hps.party\_site\_id = hcas.party\_site\_id

--AND hcsu.primary\_flag = 'Y'

AND hcsu.status = 'A'

AND hcsu.site\_use\_code = 'SHIP\_TO'

AND hca.cust\_account\_id = <customer\_id>

AND hcsu.org\_id =<org\_id>;

## Bill To Customer Address

Use below query to fetch bill\_to address for a Order or Invoice

For Order join hcsu.site\_use\_id = order.invoice\_to\_org\_id

For Invoice join hcsu.site\_use\_id = invoice.bill\_to\_site\_use\_id

SELECT hcsu.site\_use\_id

,hcsu.location

,hcas.cust\_acct\_site\_id "address\_id"

,hps.party\_site\_number

,hl.address1 || ' ' || hl.address2

,hl.city

,hl.state

,hl.country

,hl.postal\_code

,hcsu.contact\_id

FROM hz\_cust\_accounts\_all hca

,hz\_cust\_acct\_sites hcas

,hz\_cust\_site\_uses hcsu

,hz\_party\_sites hps

,hz\_locations hl

WHERE 1 = 1

AND hca.cust\_account\_id = hcas.cust\_account\_id

AND hcas.cust\_acct\_site\_id = hcsu.cust\_acct\_site\_id

AND hps.location\_id = hl.location\_id

AND hps.party\_site\_id = hcas.party\_site\_id

AND hcsu.primary\_flag = 'Y'

AND hcsu.status = 'A'

AND hcsu.site\_use\_code = 'BILL\_TO'

AND hca.cust\_account\_id = <customer\_id>

AND hcsu.org\_id =<org\_id>;

## Customer Contact Phone/Fax/Email

Customer contact can be defined at party or party site level.

Contact details from Party level. Modify PHONE\_LINE\_TYPE to FAX or EMAIL to get related data.

SELECT hcp.raw\_phone\_number

FROM hz\_contact\_points hcp, hz\_relationships hr, hz\_parties hzp

WHERE hcp.owner\_table\_id = hr.party\_id

AND hr.object\_id = nvl(&party\_id,hr.object\_id)

AND hr.status = 'A'

AND hcp.status = 'A'

AND hcp.primary\_flag = 'Y'

AND hzp.party\_id = hr.party\_id

AND hcp.phone\_line\_type = 'GEN'

AND hcp.owner\_table\_name = 'HZ\_PARTIES'

Contact details from Party Site level.

SELECT hcp.raw\_phone\_number

FROM hz\_contact\_points hcp

WHERE hcp.owner\_table\_id = nvl(&party\_site\_id,hcp.owner\_table\_id)

AND phone\_line\_type = 'GEN'

AND primary\_flag = 'Y'

AND owner\_table\_name = 'HZ\_PARTY\_SITES';

## Customer Profile

Customer

SELECT description

FROM ar\_customer\_profiles\_v a, ra\_terms b

WHERE customer\_id = nvl(&customer\_id,customer\_id)

AND status = 'A'

AND site\_use\_id IS NULL

AND a.standard\_terms = b.term\_id;

## Customer Site

SELECT description

FROM ar\_customer\_profiles\_v a, ra\_terms b

WHERE customer\_id = nvl(&customer\_id,customer\_id)

AND status = 'A'

AND site\_use\_id = nvl(&bill\_site\_use\_id,site\_use\_id)

AND a.standard\_terms = b.term\_id;

## Customer Credit Limits

Customer

SELECT nvl(overall\_credit\_limit,0)

,nvl(trx\_credit\_limit,0)

FROM hz\_cust\_profile\_amts

WHERE cust\_account\_id = nvl(&customer\_id,customer\_id)

--AND status = 'A'

AND currency\_code = &CURRENCY\_CODE -- For Multi Org

AND site\_use\_id IS NULL;

Customer Site

SELECT nvl(overall\_credit\_limit,0)

,nvl(trx\_credit\_limit,0)

FROM hz\_cust\_profile\_amts

WHERE cust\_account\_id = nvl(&customer\_id,customer\_id)

--AND status = 'A'

AND site\_use\_id = nvl(&bill\_site\_use\_id,site\_use\_id);

## TCA Queries .

Query #1

SELECT cust\_account\_role\_id, status

FROM hz\_cust\_account\_roles

WHERE party\_id = p\_party\_id

AND cust\_account\_id = p\_cust\_account\_id

AND role\_type ='CONTACT'

AND cust\_acct\_site\_id is null

and status = 'A';

Query #2

SELECT par.party\_id

FROM hz\_relationships par,

hz\_org\_contacts org ,

hz\_cust\_accounts acc

WHERE org.party\_relationship\_id = par.relationship\_id

AND org.org\_contact\_id = p\_org\_contact\_id

and par.status = 'A'

and (sysdate between nvl(par.start\_date, sysdate) and nvl(par.end\_date, sysdate))

AND acc.cust\_account\_id = p\_cust\_account\_id

AND par.object\_id = acc.party\_id

AND acc.status = 'A'

AND (sysdate BETWEEN NVL(acc.account\_activation\_date, sysdate) AND

NVL(acc.account\_termination\_date, sysdate));

## Customer open Invoice and receipt amounts

SELECT E.CUSTOMER\_ID,

D.PARTY\_NAME,

INVOICE\_CURRENCY\_CODE,

SUM (AMOUNT\_DUE\_ORIGINAL),

SUM (AMOUNT\_DUE\_REMAINING),

SUM (ACCTD\_AMOUNT\_DUE\_REMAINING)

FROM APPS.hz\_cust\_site\_uses\_all A,

HZ\_CUST\_ACCT\_SITES\_ALL B,

APPS.hz\_cust\_accounts C,

APPS.HZ\_PARTIES D,

APPS.ar\_payment\_schedules\_all E

WHERE 1 = 1

AND A.CUST\_ACCT\_SITE\_ID = B.CUST\_ACCT\_SITE\_ID

AND A.site\_use\_code = 'BILL\_TO'

AND A.STATUS = 'A'

AND B.cust\_account\_id = C.cust\_account\_id

AND D.PARTY\_ID = C.PARTY\_ID

AND E.CUSTOMER\_ID = C.CUST\_ACCOUNT\_ID

--AND E.CUSTOMER\_ID=1425

AND E.CUSTOMER\_SITE\_USE\_ID = A.SITE\_USE\_ID

AND E.CLASS = 'INV'

AND E.STATUS = 'OP'

--AND D. party\_id=85292

AND E.AMOUNT\_DUE\_REMAINING <> 0

GROUP BY CUSTOMER\_ID, PARTY\_NAME,INVOICE\_CURRENCY\_CODE

ORDER BY CUSTOMER\_ID DESC

--Payment by Customer

SELECT E.CUSTOMER\_ID,

D.PARTY\_NAME,

INVOICE\_CURRENCY\_CODE,

SUM (AMOUNT\_DUE\_ORIGINAL),

SUM (AMOUNT\_DUE\_REMAINING),

SUM (ACCTD\_AMOUNT\_DUE\_REMAINING)

FROM APPS.hz\_cust\_site\_uses\_all A,

HZ\_CUST\_ACCT\_SITES\_ALL B,

APPS.hz\_cust\_accounts C,

APPS.HZ\_PARTIES D,

APPS.ar\_payment\_schedules\_all E

WHERE 1 = 1

AND A.CUST\_ACCT\_SITE\_ID = B.CUST\_ACCT\_SITE\_ID

AND A.site\_use\_code = 'BILL\_TO'

AND A.STATUS = 'A'

AND B.cust\_account\_id = C.cust\_account\_id

AND D.PARTY\_ID = C.PARTY\_ID

AND E.CUSTOMER\_ID = C.CUST\_ACCOUNT\_ID

--AND E.CUSTOMER\_ID=1425

AND E.CUSTOMER\_SITE\_USE\_ID = A.SITE\_USE\_ID

AND E.CLASS = 'PMT'

AND E.STATUS = 'OP'

--AND D. party\_id=85292

AND E.AMOUNT\_DUE\_REMAINING <> 0

GROUP BY CUSTOMER\_ID, PARTY\_NAME,INVOICE\_CURRENCY\_CODE

ORDER BY CUSTOMER\_ID DESC

--Open invoices by customer

SELECT hp.party\_name,

aps.customer\_trx\_id,

aps.payment\_schedule\_id,

aps.amount\_due\_original,

aps.amount\_applied,

aps.amount\_due\_remaining,

class,

aps.status,

aps.CUSTOMER\_ID,

aps.invoice\_currency\_code,

aps.ACCTD\_AMOUNT\_DUE\_REMAINING,

ra.EXCHANGE\_RATE

FROM ra\_customer\_trx\_all ra,

ra\_customer\_trx\_lines\_all rl,

ar\_payment\_schedules\_all aps,

ra\_cust\_trx\_types\_all rt,

hz\_cust\_accounts hc,

hz\_parties hp,

hz\_cust\_acct\_sites\_all hcasa\_bill,

hz\_cust\_site\_uses\_all hcsua\_bill,

hz\_party\_sites hps\_bill,

ra\_cust\_trx\_line\_gl\_dist\_all rct

WHERE 1 = 1

AND ra.customer\_trx\_id = rl.customer\_trx\_id

AND ra.customer\_trx\_id = aps.customer\_trx\_id

AND ra.org\_id = aps.org\_id

AND rct.customer\_trx\_id = aps.customer\_trx\_id

AND rct.customer\_trx\_id = ra.customer\_trx\_id

AND rct.customer\_trx\_id = rl.customer\_trx\_id

AND rct.customer\_trx\_line\_id = rl.customer\_trx\_line\_id

AND ra.complete\_flag = 'Y'

AND rl.line\_type IN ('FREIGHT', 'LINE')

AND ra.cust\_trx\_type\_id = rt.cust\_trx\_type\_id

--AND RT.CUST\_TRX\_TYPE\_ID=1340

AND ra.bill\_to\_customer\_id = hc.cust\_account\_id

AND hc.status = 'A'

AND hp.party\_id = hc.party\_id

AND hcasa\_bill.cust\_account\_id = ra.bill\_to\_customer\_id

AND hcasa\_bill.cust\_acct\_site\_id = hcsua\_bill.cust\_acct\_site\_id

AND hcsua\_bill.site\_use\_code = 'BILL\_TO'

AND hcsua\_bill.site\_use\_id = ra.bill\_to\_site\_use\_id

AND hps\_bill.party\_site\_id = hcasa\_bill.party\_site\_id

AND hcasa\_bill.status = 'A'

AND hcsua\_bill.status = 'A'

-- AND aps.amount\_due\_remaining <> 0

AND aps.CLASS='INV'

AND aps.status = 'OP'

AND APS.AMOUNT\_DUE\_ORIGINAL <> 0

AND hc.cust\_account\_id = 1425

GROUP BY hp.party\_name,

aps.customer\_trx\_id,

aps.amount\_due\_original,

aps.amount\_due\_remaining,

aps.amount\_applied,

aps.payment\_schedule\_id,

class,

aps.status,

aps.CUSTOMER\_ID,

aps.invoice\_currency\_code,

aps.ACCTD\_AMOUNT\_DUE\_REMAINING,

ra.EXCHANGE\_RATE

ORDER BY CUSTOMER\_TRX\_ID

SO# and gets output   
  
SELECT ooh.order\_number   
, hp\_bill.party\_name   
, hl\_ship.address1 ||Decode(hl\_ship.address2,NULL,'',chr(10))   
||hl\_ship.address2||Decode(hl\_ship.address3,NULL,'', chr(10))   
||hl\_ship.address3||Decode(hl\_ship.address4,NULL,'', chr(10))   
||hl\_ship.address4||Decode(hl\_ship.city,NULL,'',chr( 10))   
||hl\_ship.city ||Decode(hl\_ship.state,NULL,'',',')   
||hl\_ship.state ||Decode(hl\_ship.postal\_code,'',',')   
||hl\_ship.postal\_code ship\_to\_address   
, hl\_bill.address1 ||Decode(hl\_bill.address2,NULL,'',chr(10))   
||hl\_bill.address2||Decode(hl\_bill.address3,NULL,'', chr(10))   
||hl\_bill.address3||Decode(hl\_bill.address4,NULL,'', chr(10))   
||hl\_bill.address4||Decode(hl\_bill.city,NULL,'',chr( 10))   
||hl\_bill.city ||Decode(hl\_bill.state,NULL,'',',')   
||hl\_bill.state ||Decode(hl\_bill.postal\_code,'',',')   
||hl\_bill.postal\_code bill\_to\_address   
, ooh.transactional\_curr\_code currency\_code   
, mp.organization\_code   
, ooh.fob\_point\_code   
, ooh.freight\_terms\_code   
, ooh.cust\_po\_number   
FROM oe\_order\_headers\_all ooh   
, hz\_cust\_site\_uses\_all hcs\_ship   
, hz\_cust\_acct\_sites\_all hca\_ship   
, hz\_party\_sites hps\_ship   
, hz\_parties hp\_ship   
, hz\_locations hl\_ship   
, hz\_cust\_site\_uses\_all hcs\_bill   
, hz\_cust\_acct\_sites\_all hca\_bill   
, hz\_party\_sites hps\_bill   
, hz\_parties hp\_bill   
, hz\_locations hl\_bill   
, mtl\_parameters mp   
WHERE 1 = 1   
AND header\_id = :p\_header\_id   
AND ooh.ship\_to\_org\_id = hcs\_ship.site\_use\_id   
AND hcs\_ship.cust\_acct\_site\_id = hca\_ship.cust\_acct\_site\_id   
AND hca\_ship.party\_site\_id = hps\_ship.party\_site\_id   
AND hps\_ship.party\_id = hp\_ship.party\_id   
AND hps\_ship.location\_id = hl\_ship.location\_id   
AND ooh.invoice\_to\_org\_id = hcs\_bill.site\_use\_id   
AND hcs\_bill.cust\_acct\_site\_id = hca\_bill.cust\_acct\_site\_id   
AND hca\_bill.party\_site\_id = hps\_bill.party\_site\_id   
AND hps\_bill.party\_id = hp\_bill.party\_id   
AND hps\_bill.location\_id = hl\_bill.location\_id   
AND mp.organization\_id(+) = ooh.ship\_from\_org\_id

## CUSTOMER MASTER DETAILS QUERY

SELECT hca.account\_number customer\_number, hp.party\_name customer\_name,

(SELECT hcpa.currency\_code

FROM hz\_cust\_profile\_amts hcpa

WHERE hcpa.cust\_account\_id = hca.cust\_account\_id

AND hcpa.site\_use\_id IS NULL) " CURRENCY",

hp.attribute1 " Customer Credit Limit",

hp.attribute1 " Customer Order Limit",

(SELECT meaning

FROM ar\_lookups

WHERE lookup\_type = 'CUSTOMER CLASS'

AND lookup\_code = hca.customer\_class\_code)

"Customer Classification",

(SELECT hcpc.NAME

FROM hz\_cust\_profile\_classes hcpc,

hz\_customer\_profiles hcp

WHERE hcpc.profile\_class\_id = hcp.profile\_class\_id

AND hcp.cust\_account\_id = hca.cust\_account\_id

AND hcp.site\_use\_id IS NULL) "Customer Profile ",

(SELECT NAME

FROM ra\_terms

WHERE term\_id = hca.payment\_term\_id) "Customer Payment Terms",

(SELECT meaning

FROM ar\_lookups

WHERE lookup\_type = 'CUSTOMER\_CATEGORY'

AND lookup\_code = hcasa.customer\_category\_code)

"Customer Category",

hps.party\_site\_number site\_number,

(SELECT hcpa.trx\_credit\_limit

FROM hz\_cust\_profile\_amts hcpa

WHERE hcpa.cust\_account\_id =

hca.cust\_account\_id

AND hcpa.site\_use\_id IS NULL) " site Credit Limit",

(SELECT hcpa.overall\_credit\_limit

FROM hz\_cust\_profile\_amts hcpa

WHERE hcpa.cust\_account\_id = hca.cust\_account\_id

AND hcpa.site\_use\_id IS NULL) " Site Order Limit",

(SELECT hcpc.NAME

FROM hz\_cust\_profile\_classes hcpc,

hz\_customer\_profiles hcp,

hz\_cust\_site\_uses\_all hcsua

WHERE hcpc.profile\_class\_id = hcp.profile\_class\_id

AND hcp.cust\_account\_id = hca.cust\_account\_id

AND hcp.site\_use\_id = hcsua.site\_use\_id

AND hcsua.cust\_acct\_site\_id = hcasa.cust\_acct\_site\_id

AND hcsua.site\_use\_code = 'BILL\_TO') "Customer Site Profile ",

(SELECT rt.NAME

FROM hz\_customer\_profiles hcp,

ra\_terms rt,

hz\_cust\_site\_uses\_all hcsua

WHERE hcp.standard\_terms = rt.term\_id

AND hcp.cust\_account\_id = hca.cust\_account\_id

AND hcp.site\_use\_id = hcsua.site\_use\_id

AND hcsua.cust\_acct\_site\_id = hcasa.cust\_acct\_site\_id

AND hcsua.site\_use\_code = 'BILL\_TO') "Site Payemnt Terms",

(SELECT DISTINCT hcasa.attribute1

FROM hz\_cust\_site\_uses\_all hcsua

WHERE hcsua.cust\_acct\_site\_id =

hcasa.cust\_acct\_site\_id)

" Customer Site Class",

(SELECT address1

FROM hz\_locations

WHERE location\_id = hps.location\_id) address1,

(SELECT address2

FROM hz\_locations

WHERE location\_id = hps.location\_id) address2,

(SELECT address3

FROM hz\_locations

WHERE location\_id = hps.location\_id) address3,

(SELECT address4

FROM hz\_locations

WHERE location\_id = hps.location\_id) address4,

(SELECT city

FROM hz\_locations

WHERE location\_id = hps.location\_id) city,

(SELECT postal\_code

FROM hz\_locations

WHERE location\_id = hps.location\_id) postal\_code,

(SELECT state

FROM hz\_locations

WHERE location\_id = hps.location\_id) state,

(SELECT ftt.territory\_short\_name

FROM fnd\_territories\_tl ftt, hz\_locations hl

WHERE hl.country = ftt.territory\_code

AND hl.location\_id = hps.location\_id) country,

(SELECT DISTINCT hcsua.LOCATION

FROM hz\_cust\_site\_uses\_all hcsua

WHERE hcsua.cust\_acct\_site\_id =

hcasa.cust\_acct\_site\_id

AND hcsua.site\_use\_code = 'BILL\_TO') bill\_to\_location,

(SELECT DISTINCT hcsua.LOCATION

FROM hz\_cust\_site\_uses\_all hcsua

WHERE hcsua.cust\_acct\_site\_id =

hcasa.cust\_acct\_site\_id

AND hcsua.site\_use\_code = 'SHIP\_TO'

and hcsua.status='A') ship\_to\_location,

(SELECT resource\_name

FROM jtf\_rs\_defresources\_v jrd,

hz\_cust\_site\_uses\_all hcsua

WHERE jrd.resource\_id = hcsua.primary\_salesrep\_id

AND hcsua.cust\_acct\_site\_id = hcasa.cust\_acct\_site\_id

AND hcsua.site\_use\_code = 'SHIP\_TO') "Sales Person",

(SELECT NAME

FROM oe\_transaction\_types\_v ott,

hz\_cust\_site\_uses\_all hcsua

WHERE ott.transaction\_type\_id = hcsua.order\_type\_id

AND hcsua.cust\_acct\_site\_id = hcasa.cust\_acct\_site\_id

AND hcsua.site\_use\_code = 'SHIP\_TO') "Order type",

(SELECT NAME

FROM qp\_price\_lists\_v qpl,

hz\_cust\_site\_uses\_all hcsua

WHERE qpl.price\_list\_id = hcsua.price\_list\_id

AND hcsua.cust\_acct\_site\_id = hcasa.cust\_acct\_site\_id

AND hcsua.site\_use\_code = 'SHIP\_TO') " Price List Name ",

(SELECT organization\_name

FROM org\_organization\_definitions ood,

hz\_cust\_site\_uses\_all hcsua

WHERE ood.organization\_id = hcsua.warehouse\_id

AND hcsua.cust\_acct\_site\_id = hcasa.cust\_acct\_site\_id

AND hcsua.site\_use\_code = 'SHIP\_TO') "Ware House ",

(SELECT segment1 || '.' || segment2 || '.' || segment3

FROM ra\_territories rt, hz\_cust\_site\_uses\_all hcsua

WHERE rt.territory\_id = hcsua.territory\_id

AND hcsua.cust\_acct\_site\_id = hcasa.cust\_acct\_site\_id

AND hcsua.site\_use\_code = 'SHIP\_TO') territory,

(SELECT segment1

|| '.'

|| segment2

|| '.'

|| segment3

|| '.'

|| segment4

|| '.'

|| segment5

|| '.'

|| segment6

|| '.'

|| segment7

|| '.'

|| segment8

FROM gl\_code\_combinations gcc, hz\_cust\_site\_uses\_all hcsua

WHERE code\_combination\_id = hcsua.gl\_id\_rec

AND hcsua.cust\_acct\_site\_id = hcasa.cust\_acct\_site\_id

AND hcsua.site\_use\_code = 'BILL\_TO') " Receivable Account ",

(SELECT segment1

|| '.'

|| segment2

|| '.'

|| segment3

|| '.'

|| segment4

|| '.'

|| segment5

|| '.'

|| segment6

|| '.'

|| segment7

|| '.'

|| segment8

FROM gl\_code\_combinations gcc, hz\_cust\_site\_uses\_all hcsua

WHERE gcc.code\_combination\_id = hcsua.gl\_id\_rev

AND hcsua.cust\_acct\_site\_id = hcasa.cust\_acct\_site\_id

AND hcsua.site\_use\_code = 'BILL\_TO') " Revenue Account ",

(SELECT ac.NAME

FROM hz\_customer\_profiles hcp,

ar\_collectors ac

WHERE hcp.collector\_id = ac.collector\_id

AND hcp.site\_use\_id IS NULL

AND hcp.cust\_account\_id = hca.cust\_account\_id)

"Customer Collector Code ",

(SELECT ac.description

FROM hz\_customer\_profiles hcp,

ar\_collectors ac

WHERE hcp.collector\_id = ac.collector\_id

AND hcp.site\_use\_id IS NULL

AND hcp.cust\_account\_id = hca.cust\_account\_id)

"Customer Collector Name ",

(SELECT ac.NAME

FROM hz\_customer\_profiles hcp,

ar\_collectors ac,

hz\_cust\_site\_uses\_all hcsua

WHERE hcp.collector\_id = ac.collector\_id

AND hcp.site\_use\_id = hcsua.site\_use\_id

AND hcp.cust\_account\_id = hca.cust\_account\_id

AND hcsua.cust\_acct\_site\_id = hcasa.cust\_acct\_site\_id

AND hcsua.site\_use\_code = 'BILL\_TO')

"Customer Site Collector Code ",

(SELECT ac.description

FROM hz\_customer\_profiles hcp,

ar\_collectors ac,

hz\_cust\_site\_uses\_all hcsua

WHERE hcp.collector\_id = ac.collector\_id

AND hcp.site\_use\_id = hcsua.site\_use\_id

AND hcp.cust\_account\_id = hca.cust\_account\_id

AND hcsua.cust\_acct\_site\_id = hcasa.cust\_acct\_site\_id

AND hcsua.site\_use\_code = 'BILL\_TO')

"Customer Site Collector Name ",

(SELECT ar.meaning

FROM hz\_customer\_profiles hcp,

ar\_lookups ar

WHERE ar.lookup\_type = 'CREDIT\_CLASSIFICATION'

AND hcp.credit\_classification = ar.lookup\_code

AND hcp.cust\_account\_id = hca.cust\_account\_id

AND hcp.site\_use\_id IS NULL) "Customer Credit Class",

(SELECT ar.meaning

FROM hz\_customer\_profiles hcp,

ar\_lookups ar,

hz\_cust\_site\_uses\_all hcsua

WHERE ar.lookup\_type = 'CREDIT\_CLASSIFICATION'

AND hcp.credit\_classification = ar.lookup\_code

AND hcp.cust\_account\_id = hca.cust\_account\_id

AND hcp.site\_use\_id = hcsua.site\_use\_id

AND hcsua.cust\_acct\_site\_id = hcasa.cust\_acct\_site\_id

AND hcsua.site\_use\_code = 'BILL\_TO') "Customer Site Credit Class",

(SELECT hcsua.primary\_flag

FROM hz\_cust\_site\_uses\_all hcsua

WHERE hcsua.cust\_acct\_site\_id =

hcasa.cust\_acct\_site\_id

AND hcsua.site\_use\_code = 'BILL\_TO') "Primary Bill To",

(SELECT NAME

FROM ar\_statement\_cycles astc,

hz\_customer\_profiles hcp

WHERE astc.statement\_cycle\_id = hcp.statement\_cycle\_id

AND hcp.cust\_account\_id = hca.cust\_account\_id

AND hcp.site\_use\_id IS NULL) "Statement Cycle",

(SELECT hcp.cons\_bill\_level

FROM hz\_customer\_profiles hcp

WHERE hcp.cust\_account\_id = hca.cust\_account\_id

AND hcp.site\_use\_id IS NULL) " Bill Level",

(SELECT hcp.cons\_inv\_type

FROM hz\_customer\_profiles hcp

WHERE hcp.cust\_account\_id =

hca.cust\_account\_id

AND hcp.site\_use\_id IS NULL) "Type ( Detail / Summary)",

hca.attribute1 sec\_type, hca.attribute2 bank, hca.attribute3 branch,

hca.attribute4 doc\_no, hca.attribute5 amount,

hca.attribute6 issue\_date, hca.attribute7 exp\_date,

hca.attribute8 " Customer Information", hca.attribute9 company\_type,

hca.attribute10 "CREDIT LMT CHECK", hca.attribute11 years,

hca.attribute12 "FROM DATE", hca.attribute13 "TO DATE",

hca.attribute14 " CREDIT\_AUTOHOLD(Y/N)",

hca.attribute15 "CEILING\_LIMIT(OMR)", hca.attribute16 cash\_cust,

hca.attribute17 comm\_regn\_no\_date, hca.attribute18 id\_card\_no,

hca.attribute19 grace\_period, hca.attribute20 dormant\_rationalisation

FROM hz\_parties hp,

hz\_party\_sites hps,

hz\_cust\_accounts\_all hca,

hz\_cust\_acct\_sites\_all hcasa

WHERE hp.party\_id = hps.party\_id

AND hp.party\_id = hca.party\_id

AND hcasa.party\_site\_id = hps.party\_site\_id

AND hca.cust\_account\_id = hcasa.cust\_account\_id

AND hca.account\_number NOT LIKE '%Unapplied%'

## Sales order returns details query

SELECT a.sold\_to customer\_name, c.account\_number, a.order\_number,

(SELECT order\_number

FROM oe\_order\_headers\_all

WHERE header\_id = b.reference\_header\_id) reference\_order\_no,

(SELECT cust\_po\_number

FROM oe\_order\_headers\_all

WHERE header\_id = b.reference\_header\_id) reference\_po\_no,

a.cust\_po\_number return\_po\_number,

TO\_CHAR (a.ordered\_date, 'DD-MON-YYYY') order\_date,

SUM (ordered\_quantity \* unit\_list\_price) return\_sales\_order\_value,

(SELECT SUM (ordered\_quantity \* unit\_list\_price

)

FROM oe\_order\_headers\_all ooh, oe\_order\_lines\_all ool

WHERE ooh.header\_id = ool.header\_id

AND ooh.header\_id = b.reference\_header\_id)

reference\_sales\_order\_value

FROM oe\_order\_headers\_v a, oe\_order\_lines\_v b, hz\_cust\_accounts\_all c

WHERE a.header\_id = b.header\_id

AND a.sold\_to\_org\_id = c.cust\_account\_id

AND a.order\_type LIKE '%RETURN%'

AND TO\_CHAR (a.creation\_date, 'MON-YYYY') = 'JUL-2013'

GROUP BY a.sold\_to,

c.account\_number,

a.order\_number,

a.ordered\_date,

a.cust\_po\_number,

b.reference\_header\_id

ORDER BY 5, 3

## AR Receipt SQL Queries

All below Queries are based on Input Parameters- p\_as\_of\_date & p\_account\_number

-- Query for Total On Account Receipt Amount

SELECT NVL(SUM(ps.amount\_due\_remaining), 0) total\_onacct\_receipts

FROM hz\_cust\_accounts\_all cust\_acct,

ar\_payment\_schedules\_all ps,

ar\_receivable\_applications\_all arr,

hz\_cust\_acct\_sites\_all acct\_site,

hz\_party\_sites party\_site,

hz\_locations loc,

hz\_cust\_site\_uses\_all site\_uses,

ar\_cash\_receipts\_all acr,

ar\_cash\_receipt\_history\_all crh,

gl\_code\_combinations cc

WHERE TRUNC(ps.gl\_date) <= :p\_as\_of\_date

AND ps.customer\_id = cust\_acct.cust\_account\_id

AND cust\_acct.account\_number = :p\_account\_number

AND ps.customer\_id = cust\_acct.cust\_account\_id

AND acct\_site.party\_site\_id = party\_site.party\_site\_id

AND loc.location\_id = party\_site.location\_id

AND ps.cash\_receipt\_id = acr.cash\_receipt\_id

AND acr.cash\_receipt\_id = crh.cash\_receipt\_id

AND crh.account\_code\_combination\_id = cc.code\_combination\_id

AND ps.trx\_date <= :p\_as\_of\_date

AND ps.CLASS = 'PMT'

AND ps.cash\_receipt\_id = arr.cash\_receipt\_id

AND arr.status IN ('ACC')

AND ps.status = 'OP'

AND site\_uses.site\_use\_code = 'BILL\_TO'

AND site\_uses.cust\_acct\_site\_id = acct\_site.cust\_acct\_site\_id

AND NVL(site\_uses.status, 'A') = 'A'

AND cust\_acct.cust\_account\_id = acct\_site.cust\_account\_id

AND acct\_site.cust\_acct\_site\_id = site\_uses.cust\_acct\_site\_id

AND ps.customer\_id = acct\_site.cust\_account\_id

AND ps.customer\_site\_use\_id = site\_uses.site\_use\_id HAVING

NVL(SUM(arr.amount\_applied), 0) > 0;

-- Query for Total Unapplied Receipt Amount

SELECT NVL(SUM(arr.amount\_applied), 0) total\_unapp\_receipts

FROM hz\_cust\_accounts\_all cust\_acct,

ar\_payment\_schedules\_all ps,

ar\_receivable\_applications\_all arr,

hz\_cust\_acct\_sites\_all acct\_site,

hz\_party\_sites party\_site,

hz\_locations loc,

hz\_cust\_site\_uses\_all site\_uses,

ar\_cash\_receipts\_all acr,

ar\_cash\_receipt\_history\_all crh,

gl\_code\_combinations cc

WHERE TRUNC(ps.gl\_date) <= :p\_as\_of\_date

AND ps.customer\_id = cust\_acct.cust\_account\_id

AND cust\_acct.account\_number = :p\_account\_number

AND ps.customer\_id = cust\_acct.cust\_account\_id

AND acct\_site.party\_site\_id = party\_site.party\_site\_id

AND loc.location\_id = party\_site.location\_id

AND ps.cash\_receipt\_id = acr.cash\_receipt\_id

AND acr.cash\_receipt\_id = crh.cash\_receipt\_id

AND crh.account\_code\_combination\_id = cc.code\_combination\_id

AND ps.trx\_date <= :p\_as\_of\_date

AND ps.CLASS = 'PMT'

AND ps.cash\_receipt\_id = arr.cash\_receipt\_id

AND arr.status = 'UNAPP'

AND ps.status = 'OP'

AND site\_uses.site\_use\_code = 'BILL\_TO'

AND site\_uses.cust\_acct\_site\_id = acct\_site.cust\_acct\_site\_id

AND NVL(site\_uses.status, 'A') = 'A'

AND cust\_acct.cust\_account\_id = acct\_site.cust\_account\_id

AND acct\_site.cust\_acct\_site\_id = site\_uses.cust\_acct\_site\_id

AND ps.customer\_id = acct\_site.cust\_account\_id

AND ps.customer\_site\_use\_id = site\_uses.site\_use\_id HAVING

NVL(SUM(arr.amount\_applied), 0) > 0;

-- Query for Total Uncleared Receipt Amount

SELECT NVL(SUM(ps.amount\_due\_remaining), 0) total\_uncleared\_receipts

FROM hz\_cust\_accounts\_all cust\_acct,

ar\_payment\_schedules\_all ps,

ar\_receivable\_applications\_all arr,

hz\_cust\_acct\_sites\_all acct\_site,

hz\_party\_sites party\_site,

hz\_locations loc,

hz\_cust\_site\_uses\_all site\_uses,

ar\_cash\_receipt\_history\_all crh,

ar\_cash\_receipts\_all acr,

gl\_code\_combinations cc

WHERE TRUNC(ps.gl\_date) <= :p\_as\_of\_date

AND ps.customer\_id = cust\_acct.cust\_account\_id

AND cust\_acct.account\_number = :p\_account\_number

AND ps.customer\_id = cust\_acct.cust\_account\_id

AND acct\_site.party\_site\_id = party\_site.party\_site\_id

AND loc.location\_id = party\_site.location\_id

AND ps.cash\_receipt\_id = acr.cash\_receipt\_id

AND acr.cash\_receipt\_id = crh.cash\_receipt\_id

AND crh.account\_code\_combination\_id = cc.code\_combination\_id

AND ps.trx\_date <= :p\_as\_of\_date

AND ps.CLASS = 'PMT'

AND ps.cash\_receipt\_id = arr.cash\_receipt\_id

AND arr.status = 'UNAPP'

AND ps.status = 'OP'

AND site\_uses.site\_use\_code = 'BILL\_TO'

AND site\_uses.cust\_acct\_site\_id = acct\_site.cust\_acct\_site\_id

AND NVL(site\_uses.status, 'A') = 'A'

AND cust\_acct.cust\_account\_id = acct\_site.cust\_account\_id

AND acct\_site.cust\_acct\_site\_id = site\_uses.cust\_acct\_site\_id

AND ps.customer\_id = acct\_site.cust\_account\_id

AND ps.customer\_site\_use\_id = site\_uses.site\_use\_id

AND ps.cash\_receipt\_id = crh.cash\_receipt\_id

AND crh.status NOT IN ('CLEARED') HAVING

NVL(SUM(arr.amount\_applied), 0) > 0;