

	Saph	yr System Installa	tion	Network	king a	nd	I IT Checklist				
To	A Sap o make the inst	hyr site preparation call will be planned by yo allation of the Saphyr System at your site a s Once complete, J	success, ple	o support team, allow ease consult the <u>Re</u> d back this docume	ferences sec	elp you tion a	u completing this checklist. s your primary source of information.				
C	many Nama		Company name			Date	е				
Com	pany Name	Company name				Sap	hyr System.				
Instrument Location (laboratory / service)		on Detailed instrument leasting	Detailed in the way and be added			Con	npute solution				
		Detailed instrument location			Setup	Sale	es type				
Customer Point of Contact											
Project Leader		Name			Email	Ema	nail				
IT / Network		Name	Phone	Number	Email	Ema	mail				
	Bionano	Genomics Points of Contact - Always	s include s	support@bionan	o.com in a	ny ex	isting or new conversations				
FSE		Name	Phone	Number	Email	1	Email				
GDS		Name	Phone	Number	Email	Ema	mail				
		Infrastructure	and Ne	tworking con	tiguratio	<u>n</u>					
	<u> </u>	nstrument Controller									
The Saphyr Instrument Controller will run in kiosk mode where the user may only interface with the Saphyr Instrument Control Software (ICS).  All required features including computer administration (network configuration and system clock settings) are provided within the Saphyr ICS.  Bionano Genomics policy is to not provide access to the underlying operating system to ensure the performance and security of the system are not inadvertently affected.  Request for deviation from this policy may be done in the Change Request section below.											
1.	Has the Fire	wall been configured to allow the follow	ina service	es? - see to Saphvr I	Networking and	d setup	Guide (30251)				
	Team\/iewer.utilized										
a.		activated. Control integrated within ICS kiosk mod					Comments				
b.	Saphyr Assı					]No	Comments				
c. Windows Update Service				□Yes □	]No	Comments					
2.	Will you requ	uire a proxy server to be configured?			□Yes □	]No	Comments				
3. <b>Optional:</b> If not utilizing DHCP, please provide networking parameters IP. Address, Gateway, Netmask, DSN servers						S					
Bionano Access Server											
• Us	A direct link be A static IP is re ers won't have rmance and se	ess Server (BAS) will host the access softwa etween the Instrument controller and the BAS equired for users to access the software fron access to the Shell of the server. Bionano G curity of the system are not inadvertently affe	S is required In their work enomics po	d for data cohorts tr station, and via the licy is to not provide	ansfer purpo ir web brows e access to t	se. er. he und	derlying operating system to ensure the				
4. Please provi		e the following assigned address and DNS settings		Static IP		IP address					
Subnet mask		Subnet mask			Gateway		Gateway				
DNS 1		DNS 1	DNS 1				DNS 2				
5. Has the Firewall been configured to allow the following services? - see to Saphyr Networking and Setup Guide (30251)											
a.	Remote access for Bionano Support personnel Required for system updates and assistance with data analysis			□Yes □	No	Comments					
b.	Bionano Access web hosted software accessibility from users' workstations		□Yes □	]No	Comments						
C.	c. Compute Servers – depends on system configuration			□Yes □	No	Comments					
d.	d. Compute On Demand – depends on system configuration			□Yes □	No	Comments					
fixed IP are supported. Dual layer proxies are not supported.					Comments						
7.		<del>-</del>	an SSL certificate? - key.pem and certificat.pem format		□Yes □	]No	Comments				
8	R Can you provide a DNS friendly name for the BAS' static IP ex: bionanoaccess						Comments				



	Comput	o Samuero antional ( O. t. 2005). Mark the character of the						
Compute Servers - optional (see Saphyr 30251 - Networking and setup Guide)								
9.	configure th	uire any help from Bionano Genomics personnel to rack and e Compute Server(s)?  ter personnel will be required to rack, cable, and configure the Compute Servers.	□Yes □No	Comments				
10.		ps+ Switch available with enough ports for compute servers te: 1 compute server needs 4(+1) ports.	□Yes □No	Comments				
11.		network cables available for wiring the compute servers?  Compute Server needs 4(+1) cables, 1 additional Bionano Compute Server needs	□Yes □No	Comments				
12.	Please prov	ide saphyr1a (master node) connection details	Static IP	IP Address				
Sub	net mask Subnet mask		Gateway	Gateway				
DNS	IS 1 DNS 1		DNS2	DNS 2				
13.	addresses f	ption B is chosen - Please provide the sequence of IP or each of the remaining nodes.  B, each compute server needs at least 4 static IP addresses	Comments					
		Change Request						
14.	Do you requ	est Administrator Account(s) for Controller and Servers?	□Yes □No	Comments				
15.	Please list below any operating system settings that may be modified. Bionano Genomics will review compatibility and provide you with an agreement. For data integrity reasons, Bionano does not recommend modifying the operating system of its servers or computers. any unattended modification would break warranty and support.							
Comments								
16.	Please list all software that you intend to install.  Bionano Genomics will review compatibility and provide you with an agreement.  For data integrity reasons, Bionano Genomics do not recommend modifying the operating system of its servers or computers. Any unattended modification would break warranty and support.							
Comments								
References  Reference documents are available on our bionano.com website, or upon request								
Α.	Bionano Ge	nomics Site Preparation Guide (30145)	Information related to Saphyr System setup					
В.		working and Setup Guide (30251)	Information related to IT and Networking setup					
C.		nomics Data Security Guidelines (30292)	Genomic data security related document					
D.		nomics Data Collection Guidelines (30173)	Generated data and their weight					
E.		tem Installation, Laboratory Checklist (30614)	Laboratory installation checklist					
	oupily! oyo		Laboratory mod					
Additional comments								
Comments								
Acknowledgment								
I a	cknowledge ful	I responsibility for backing up generated data from the Bionano Access	Date	Date				
Serv	er regularly.		Name	Name				
		strument Controller and BAS sections in the Bionano Genomics Data	Title	Title				
		document and understand that modifications made to any of the or configuration may result in degradation in performance or failure of the						
instrument. Any failure caused by unauthorized modification will not be covered by the								
			Signature					
1 11	nderstand that	no changes should be made before Bionano Genomics support follows						